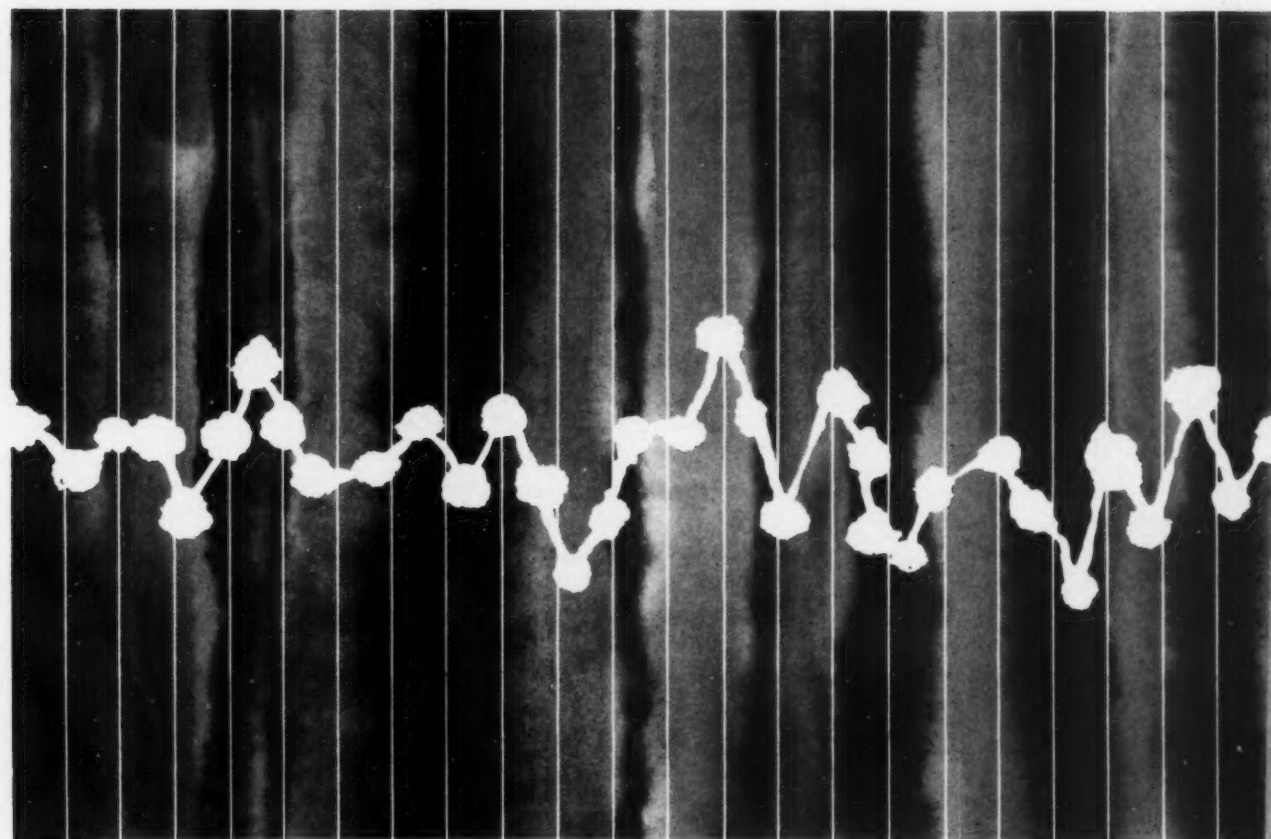


defense indicators

SEPTEMBER 1974



U.S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF ECONOMIC ANALYSIS



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BUREAU OF ECONOMIC ANALYSIS

George Jaszi, Director

Morris R. Goldman, Deputy Director

Feliks Tamm, Editor

This report was prepared in the Statistical Indicators Division, Bureau of Economic Analysis. Technical staff and their responsibilities for the publication are—

Barry A. Beckman—Technical supervision and review,

Morton Somer—Selection of seasonal adjustment methods,

Betty F. Tunstall—Collection and compilation of basic data.

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This publication is prepared under the general guidance of an interagency committee established by the Office of Management and Budget. This committee consists of the following persons:

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**Charles Waite, Bureau of Economic Analysis, Department
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defense indicators

September 1974

Series ES4 No. 74-9

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6 SESA PROJECTS for economic analysis

BUSINESS CONDITIONS DIGEST A monthly report for analyzing economic fluctuations over a short span of years.

This report brings together approximately 600 economic time series in a form convenient for analysts whether their approach to the study of current business conditions and prospects is the national income model, the leading indicators, anticipations and intentions, or a combination of these. Other types of data such as foreign trade, Federal Government activities, and international series are included to facilitate a more complete analysis.

Data are presented in charts and tables. Appendixes provide historical data, series descriptions, seasonal adjustment factors, and measures of variability. A computer tape containing data for most of the series is available for purchase.

DEFENSE INDICATORS A monthly report for analyzing the current and prospective impact of defense activity on the national economy.

This report brings together the principal time series on defense activities which influence short-term changes in the national economy. These include series on obligations, contracts, orders, shipments, inventories, expenditures, employment, and earnings. The approximately 60 time series included are grouped in accordance with the time at which the activities they measure occur in the defense order-production-delivery process. Charts and analytical tables facilitate interpretation.

LONG TERM ECONOMIC GROWTH A report for the study of economic trends over a long span of years, 1860-1970.

This report has been developed from available statistics to provide a comprehensive, long-range view of the U.S. economy. It is a basic research document for economists, historians, investors, teachers, and students. It brings together under one cover, in meaningful and convenient form, the complete statistical basis for a study of long-term economic trends. A computer tape file of the time series included in the report is available for purchase.

COMPUTER PROGRAMS FOR TIME SERIES ANALYSIS The source statements for FORTRAN IV programs used by SESA in its analysis of time series are available on a single computer tape.

SEASONAL ADJUSTMENT PROGRAMS.—Two variants of the Census computer program for measuring and analyzing seasonal, trading-day, cyclical, and irregular fluctuations. They are particularly useful in analyzing economic fluctuations which take place within a year. The X-11 variant is used for adjusting monthly data and the X-11Q for quarterly data. These programs make additive as well as multiplicative adjustments and compute many summary and analytical measures.

DIFFUSION INDEX PROGRAM.—A computer program for computing diffusion indexes, cumulated diffusion indexes, and summary measures of the properties of each index.

SURVEY OF CURRENT BUSINESS A monthly report for analyzing current economic developments.

This report provides a useful combination of current data for more than 2,500 statistical series and significant articles analyzing economic developments. These data and analyses include such areas as the national income and product accounts, the balance of payments accounts, plant and equipment expenditures, regional personal income, and the input-output accounts.

BUSINESS STATISTICS A biennial reference volume containing statistical series reported currently in the *Survey of Current Business*.

This report provides historical data back to 1947 for nearly 2,500 time series. The series are accompanied by concise descriptions as to their composition, methods of compilation, comparability, revisions, and availability. Also listed are the names and addresses of organizations which provide the basic data for the series.

Introduction

The purpose of this monthly report is to bring together the principal time series on defense activity which influence short-term changes in the national economy. These include series on obligations, contracts, orders, shipments, inventories, expenditures, employment, and earnings. Most are monthly but a few quarterly series are included. The series numbers used are for identification purposes only and do not reflect relationships or order.

Classification of Series

Chart 1 compares Government purchases of goods and services for national defense with total gross national product. GNP is the market value of the final output of goods and services produced by the Nation's economy and represents a very broad measure of aggregate economic activity. In addition to national defense purchases, it includes Federal Government purchases of goods and services for nondefense purposes, State and local government purchases, personal consumption expenditures, gross private domestic investment, and net exports of goods and services. Chart 1 also presents national defense purchases as a percent of gross national product and, for both series, changes from the previous quarter.

A related group of series is shown in Chart 4, "Defense-Related Balance of Payments Components." These series show the effects of defense-related economic activity on the balance of payments accounts.

The remaining series are grouped in accordance with the time at which the activities they measure occur within the defense order-production-delivery process. Those series measuring activities that usually precede production, such as new orders placed with defense products industries and contract awards, are presented in Chart 2, "Advance Indicators of Defense Activity." Chart 3, "Intermediate and Final Indicators of Defense Activity," presents series that measure activities which tend to move at the same time as production (such as employment) and activities which usually follow production (such as shipments).

Series Included

Following is a list of the series as they appear in charts 1, 2, 3, and 4 (the source agencies are abbreviated in parentheses; detailed lists of sources for charts 1, 2, and 3 appeared as appendixes to the August and October 1968 issues of this report).

Gross National Product and National Defense Purchases

- Gross national product (BEA)
- Federal Government purchases of goods and services, national defense (BEA)
- National defense purchases as a percent of gross national product (BEA)
- Gross national product, changes from previous quarter (BEA)
- National defense purchases, changes from previous quarter (BEA)

Advance Indicators of Defense Activity

- Defense Department gross obligations incurred, total (DOD)
- Defense Department gross obligations incurred, procurement (DOD)
- Gross obligations incurred outside the Government for national defense (Treasury)

- Defense Department military prime contract awards for work performed in the United States (DOD)

- Defense Department gross unpaid obligations outstanding (DOD)

- Manufacturers' new orders (Census):

- Defense products industries

- Defense products

- Manufacturers' new orders from the U.S. Government, aerospace industries (Census):

- Average weekly overtime hours, production workers, defense products industries (BLS)

- Accessions, defense products industries (BLS)

- Layoffs, defense products industries (BLS)

Intermediate and Final Indicators of Defense Activity

- Manufacturers' inventories (Census):

- Defense products industries

- Defense products

- Manufacturers' unfilled orders (Census):

- Defense products industries

- Defense products

- Manufacturers' unfilled orders from the U.S. Government, aerospace industries (Census)

- Defense Department progress payments outstanding (DOD)

- Employment in defense products industries, total (BLS)

- Employment in defense products industries, production workers (BLS)

- Index of aggregate weekly man-hours, defense products industries (BLS)

- Index of aggregate weekly payrolls, production workers, defense products industries (BLS)

- Defense Department manpower, military (DOD)

- Defense Department manpower, civilian (DOD)

- Defense Department net outlays, total, military functions and military assistance (DOD)

- Defense Department net outlays, procurement (DOD)

- Budget outlays for the national defense function (Treasury)

- Defense Department personnel compensation (DOD)

- Manufacturers' shipments (Census):

- Defense products industries

- Defense products

- Manufacturers' shipments to the U.S. Government, aerospace industries (Census):

- Ratio, manufacturers' unfilled orders to shipments (Census):

- Defense products industries

- Defense products

- Ratio, manufacturers' inventories to shipments (Census):

- Defense products industries

- Defense products

Defense-Related Balance of Payments Components

- Transfers under U.S. military agency sales contracts—exports (BEA)

- Direct defense expenditures—imports (BEA)

- U.S. Government cash receipts associated with military sales contracts (BEA)

Some additional data are included in the tables though not presented in the charts. These include Defense Department military prime contract awards by procurement category (e.g., for aircraft, missiles and space systems, ships, weapons, and ammunition), the operations component of Defense Department

gross obligations incurred, gross unpaid obligations outstanding, and net outlays and the procurement component of gross unpaid obligations outstanding.

Description of Basic Data

The Department of Defense compiles statistics on obligations, contract awards, personnel compensation, and outlays. The DOD obligations and outlays data are based on the Defense Department's monthly *Status of Funds* report which is developed from accounting data and is designed to provide information on the total status of Defense Department financing. Accounts included in this report are aggregated by appropriation categories including personnel costs, operations and maintenance, procurement, research and development, and construction. The *Status of Funds* report duplicates some obligations. That is, obligations of one government unit to another unit are not netted out.

The Defense Department's *Contract Awards* report covers the awarding of procurement contracts. These include obligations for operating and maintenance supplies, equipment and services, research and development, and construction in addition to the obligations for items that constitute the fiscal "procurement" category. The statistics are aggregated by commodity categories including aircraft, missile and space systems, ships, weapons, ammunition, electronics and communication equipment, fuels, and textiles and clothing. The *Contract Awards* report includes procurement for NASA, other nondefense agencies, and the Foreign Military Sales Program which are not included in the *Status of Funds* report.

The Census quarterly new orders, unfilled orders and shipments series for "aerospace industries" are based on reports of companies classified into the following industry categories:

Industry	SIC Code
Aircraft and parts	372
Guided missiles and space vehicles, completely assembled ..	1925

The Census and BLS data for "defense products industries" presented in this report cover companies and establishments¹ classified into the following industry categories in accordance with the *Standard Industrial Classification Manual*, 1967 edition, Executive Office of the President, Bureau of the Budget:

Industry	SIC Code
Ordnance and accessories	19
Communication equipment	366
Aircraft and parts	372

Establishments reporting to the BLS are classified into industries on the basis of their principal product or activity as determined from information on annual sales volume, which is collected each year on a supplement to the monthly report. The entire employment of an establishment making more than one product or engaging in more than one activity is included under the industry accounting for the largest percentage of the annual sales of that establishment.

The Census Bureau's monthly survey is based primarily on reports at the company level and the monthly estimates are benchmarked to the establishment data from the *Annual Survey*

¹ An establishment is a single physical location where business is conducted (e.g., a plant). A company often includes more than one establishment.

of Manufactures. Also, many of the large diversified companies file separate divisional reports monthly. Although the reports in the survey are also classified according to their principal product or activity, this difference in the organizational level from which reports are received results in firms being classified into different industries in the BLS and Census surveys and, consequently, limits somewhat the comparability of the data collected by these agencies. However, as we know from past studies in this area, some differences in industrial classification between BLS and Census data would remain even if reports came from the same organizational levels.

Both the Census and the BLS data include a significant amount of nondefense activities carried on by companies and establishments classified in the above industries. For example, the data cover the production of commercial as well as military aircraft. On the other hand, they exclude significant amounts of defense work carried on by companies and establishments classified in industries other than those listed above (e.g., the manufacture of military uniforms and the shipbuilding industry).²

Census data for "defense products" are based on separate reports on defense work filed by large defense contractors in the ordnance, communications, complete aircraft, aircraft parts, and shipbuilding industries. Thus, they differ from the "defense products industries" data in that they include defense activity in the shipbuilding industry and exclude nondefense work in the other industries covered. Defense products data cover work for the Department of Defense and exclude contracts for the National Aeronautics and Space Administration and the Atomic Energy Commission.

The DOD data are not strictly comparable in coverage with either the BLS or the Census data since the Defense Department figures (1) cover products of industries not included in the defense products category; (2) generally do not include nondefense activities (except that some series, such as contract awards, include activities by the Department of Defense on behalf of nondefense agencies); and (3) do not cover intermediate activities such as those related to subcontracting and supplying of parts. Thus, the Census Bureau data for manufacturers' new orders and shipments of defense products industries, for example, differ in coverage from the DOD contract awards and net outlays series.

The Department of Defense data are not comparable with Federal Government purchases of goods and services for national defense or the Treasury Department obligations and outlays data since the BEA and Treasury data cover defense-related activities of other agencies such as the Atomic Energy Commission, the Selective Service System, and the Office of Emergency Planning.

Projects to improve the comparability of the data collected by the Bureau of the Census, the Bureau of Labor Statistics, and the Department of Defense and to improve the separation of defense and nondefense activity for the Census and BLS data are being undertaken by the statistical agencies under the leadership of the Interagency Committee mentioned earlier in this report.

² See the Bureau of the Census publication *Shipments of Defense-Oriented Industries*, Current Industrial Reports, Series MA-175, for annual estimates of shipments by industry to the Department of Defense, the National Aeronautics and Space Administration, and the Atomic Energy Commission. Included also are industries not covered by the "defense products industries" category.

Variability of Data

Seasonal variations dominate the movements of many time series, and adjustments for average seasonal fluctuations are often necessary to bring out the underlying trends of the series. These seasonal adjustments allow for the effects of repetitive intrayear variations resulting primarily from normal differences in weather conditions and from various institutional arrangements. An additional adjustment is sometimes necessary for series which contain considerable variation resulting from the number of working or trading days in each month. As used in this report, the term "seasonal adjustment" includes trading-day adjustments where they have been made.

Most of the series in this report are shown in seasonally adjusted form. For Defense Department and BLS series, unadjusted data are also shown since they are not readily available elsewhere. Current seasonal adjustment factors are shown in appendix A.

The effect of seasonal adjustment in reducing the month-to-month variation in the data can be seen in appendix B. There, the first two columns show the average month-to-month percent change (without regard to sign) in the data before and after seasonal adjustment. Some series still show very irregular month-to-month movements after adjustment for seasonal variation. The measures in appendix B also indicate the month-to-month variation in the irregular and short-term trend components of the series. For many series, irregular movements tend to dominate 1- or 2-month comparisons, and the underlying short-term trend becomes dominant in comparisons over longer spans. The "months for cyclical dominance" (MCD) measure estimates the span of months required for the short-term trend to dominate the irregular component. Series with an MCD of 4 or more are supplemented with a moving average (with the

number of terms equal to MCD) in the charts. Data for these moving averages are listed in the basic data tables.

Guide to Charts and Tables

Most series are plotted on a standard ratio scale so that equal percent changes cover the same vertical distance. For these series, an increase of 100 percent covers approximately 1 inch. Arithmetic scales are used for series with zero or negative data, series which could approach zero (e.g., average overtime hours and layoff rate), and series expressed in percent.

In general, monthly data are plotted with a solid line and quarterly data are represented by a solid line with quarterly plot points. Quarterly series are also identified with a "Q" after their titles. For series which include a moving average, a dashed line is used for the actual monthly data and a solid line for the moving average. (The moving average values are centered within the span of months they are computed from.) Exceptions to this scheme may be necessary for special situations. Data apply to the whole period except for series designated "EOM" (end of month) or "EOQ" (end of quarter). The number in the box at the right of each series indicates the latest month (Arabic) or quarter (Roman) plotted. Parallel lines across a series indicate a break in continuity (e.g., data not available or change in series definition).

Tables 1, 2, 3, and 4 present current data for the series shown in the charts, including the moving averages. They also include unadjusted data for some series and data for related series which are not plotted. Table A summarizes the most recent data and percent changes for many of the series in the report. Historical data are shown on an intermittent basis in appendix C. (The index indicates the appropriate issue for each series.)

New Features and Changes For This Issue

Appendix C contains historical data for series 200, 264, 546, 547, 613 and 696.

The October issue of DEFENSE INDICATORS is scheduled for release on October 30.

Table A. Summary of Recent Data and Current Percent Changes for Principal Defense Indicators

(Preliminary and revised figures are not identified here but the user may consult tables 1, 2, 3, and 4 where such identification is given)

Series title	Unit of measure	Basic data								Percent change				Series number
		Average		4th Q 1973	1st Q 1974	2d Q 1974	June 1974	July 1974	Aug. 1974	June '74 to July '74	July '74 to Aug. '74	4th Q '73 to 1st Q '74	1st Q '74 to 2d Q '74	
		1972	1973											
GROSS NATIONAL PRODUCT AND NATIONAL DEFENSE PURCHASES														
200. Gross national product (BEA)	Ann. rate, bil. dol.	1158.0	1294.9	1344.0	1358.8	1383.8	...	...	...	...	...	1.1	1.8	200
284. Federal Government purchases of goods and services, national defense (BEA) .....	.... do	74.8	74.4	75.3	75.8	76.6	...	...	...	...	...	0.7	1.1	284
613. National defense purchases as a percent of GNP (BEA) ¹	Percent	6.4	5.8	5.6	5.6	5.5	...	...	...	...	...	0.0	-0.1	613
ADVANCE INDICATORS OF DEFENSE ACTIVITY														
Defense Dept. gross obligations incurred (DOD):														
617. Total	Ann. rate, bil. dol.	84.7	85.5	85.7	90.3	91.5	97.6	98.8	NA	1.2	NA	5.4	1.3	617
621. Procurement .....	.... do	20.3	18.8	18.8	21.7	19.0	16.5	23.0	NA	39.4	NA	15.4	-12.4	621
623. Gross obligations incurred outside the Federal Government for national defense (Treasury) .....	.... do	88.6	89.1	91.0	95.8	97.8	102.4	NA	NA	NA	NA	5.3	2.1	623
625. Defense Department military prime contract awards for work performed in the U.S. (DOD) ..	.... do	36.0	35.3	38.2	36.8	42.7	41.3	NA	NA	NA	NA	-3.7	16.0	625
643. Defense Department gross unpaid obligations outstanding (DOD)	Bil. dol., end of period	34.2	36.8	36.8	37.4	38.1	38.1	40.4	NA	6.0	NA	1.6	1.9	643
648. Mfrs.' new orders, defense products (Census)	Ann. rate, bil. dol.	19.5	20.5	21.6	22.8	21.4	21.0	16.5	37.6	-21.4	127.9	5.6	-6.1	648
650. Manufacturers' new orders from the U.S. Government, aerospace industries (Census) .....	.... do	14.8	15.9	16.8	19.4	NA	...	...	...	...	...	15.5	NA	650
653. Average weekly overtime hours, production workers, defense products industries (BLS) ¹	Hours	2.8	3.1	3.2	2.9	2.9	3.0	2.8	NA	-0.2	NA	-0.3	0.0	653
654. Acquisitions, defense products industries (BLS) ¹	Number per 100 employees	2.1	2.2	2.2	2.0	2.2	2.1	2.8	NA	0.7	NA	-0.2	0.2	654
655. Layoffs, defense products industries (BLS) ¹ .....	.... do	0.8	0.6	0.6	0.4	0.7	0.7	0.7	NA	0.0	NA	-0.2	0.3	655
INTERMEDIATE AND FINAL INDICATORS OF DEFENSE ACTIVITY														
657. Output of defense and space equipment (FRB) ..	1967=100	77.9	80.4	80.9	81.1	81.5	81.6	82.8	78.1	1.5	-5.7	0.2	0.5	657
659. Mfrs.' inventories, defense products (Census)	Bil. dol., end of period	5.1	5.6	5.6	6.0	6.2	6.2	6.3	NA	1.6	NA	7.1	3.3	659
661. Manufacturers' unfilled orders from the U.S. Government, aerospace industries (Census) .....	.... do	19.1	20.7	20.7	21.7	22.3	22.3	22.2	23.9	-0.4	7.7	4.8	2.8	661
664. Defense Department progress payments outstanding (DOD)(9) .....	.... do	15.1	16.4	16.4	17.5	NA	...	...	...	...	...	6.7	NA	664
Employment in defense products industries (BLS):														
670. Total	Thousands	1,119	1,144	1,150	1,145	1,147	1,147	1,146	NA	-0.1	NA	-0.4	0.2	670
671. Production workers .....	.... do	581	606	608	606	606	604	603	NA	-0.2	NA	-0.3	0.0	671
673. Index of aggregate weekly man-hours, defense products industries (BLS)	1967=100	NA	NA	NA	NA	NA	67.6	67.6	NA	0.0	NA	NA	NA	673
675. Index of aggregate weekly payrolls, production workers, defense products industries (BLS) .....	.... do	NA	NA	NA	NA	NA	95.6	95.7	NA	0.1	NA	NA	NA	675
Defense Department manpower (DOD): (9)														
677. Military	Thousands, end of period	2,348	2,202	2,202	2,187	2,162	2,162	2,162	NA	0.0	NA	-0.7	-1.1	677
678. Civilian .....	.... do	1,082	1,026	1,026	1,042	1,070	1,070	1,074	NA	0.4	NA	1.6	2.7	678
Defense Department net outlays (DOD):														
680. Total, military functions and military assistance	Ann. rate, bil. dol.	75.6	76.3	77.4	79.2	80.5	82.9	83.1	87.1	0.2	4.8	2.3	1.6	680
682. Procurement .....	.... do	17.1	15.7	16.1	15.1	15.0	14.1	9.7	17.1	-31.2	76.3	-6.2	-0.7	682
683. Budget outlays for the national defense function (Treasury) .....	.... do	77.7	78.0	78.8	80.1	79.7	78.6	79.0	NA	0.5	NA	1.6	-0.5	683
685. Defense Dept. personnel compensation (DOD) .....	.... do	32.0	32.4	32.8	32.6	33.0	33.3	34.3	NA	3.0	NA	-0.6	1.2	685
686. Mfrs.' shipments, defense products (Census) .....	.... do	17.9	18.8	18.7	19.1	19.1	19.2	17.2	17.7	-10.4	2.9	2.1	0.0	686
689. Manufacturers' shipments to the U.S. Government, aerospace industries (Census) .....	.... do	13.6	14.4	14.4	15.0	NA	...	...	...	...	...	4.2	NA	689
691. Ratio, manufacturers' unfilled orders to shipments, defense products (Census)	Ratio	12.5	12.7	13.2	13.6	13.8	13.9	15.5	16.1	11.5	3.9	3.0	1.5	691
693. Ratio, manufacturers' inventories to shipments, defense products (Census) .....	.... do	3.2	3.5	3.6	3.7	3.8	3.9	4.4	NA	12.8	NA	2.8	2.7	693
DEFENSE-RELATED BALANCE OF PAYMENTS COMPONENTS														
546. Transfers under U.S. military agency sales contracts-exports (BEA) ¹	Ann. rate, mil. dol.	1,154	2,354	4,184	2,688	NA	...	...	...	...	...	-1,496	NA	546
547. Direct defense expenditures-imports (BEA) ¹ (9) .....	.... do	4,759	4,555	4,416	4,552	NA	...	...	...	...	...	136	NA	547
696. U.S. Government cash receipts associated with military sales contracts (BEA) ¹ .....	.... do	1,387	2,290	2,144	2,080	NA	...	...	...	...	...	-64	NA	696

NOTE: This table is presented as a convenient summary of the current data for many of the indicators in this report. In many cases, data shown here are rounded to fewer digits or are in different units than those shown in tables 1, 2, 3, and 4. Where available, annual figures are those published by the source agencies; otherwise they (and the quarterly figures for monthly series) are averages or totals of the data as shown in the data tables. Series are seasonally adjusted except for those indicated by ¹, which appear to contain no seasonal movement.

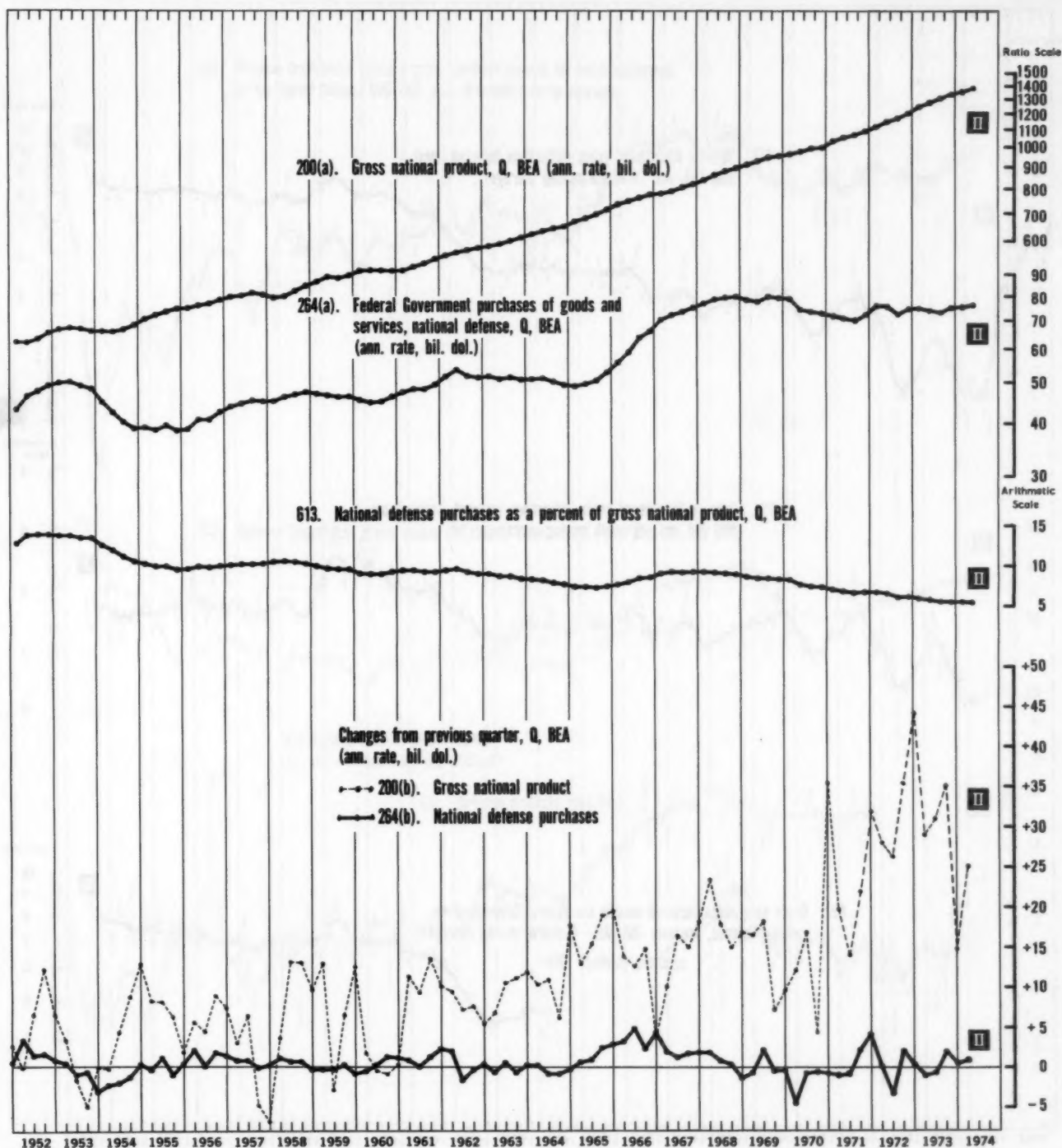
NA = not available.

¹Differences rather than percent changes are shown for this series.

CHART

1

Gross National Product and National Defense Purchases

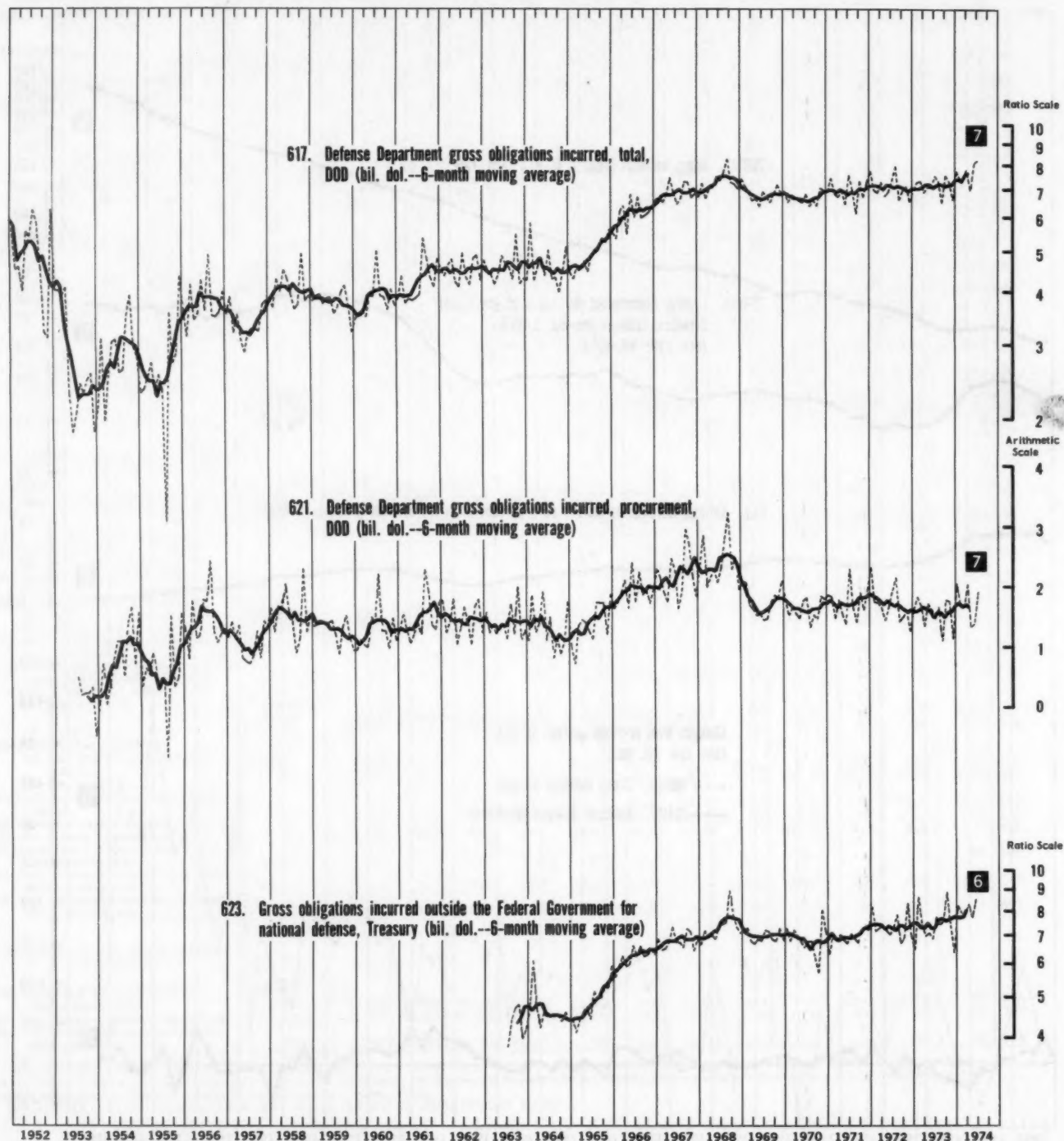


Current data for these series are shown on page 14.

CHART

2

Advance Indicators of Defense Activity

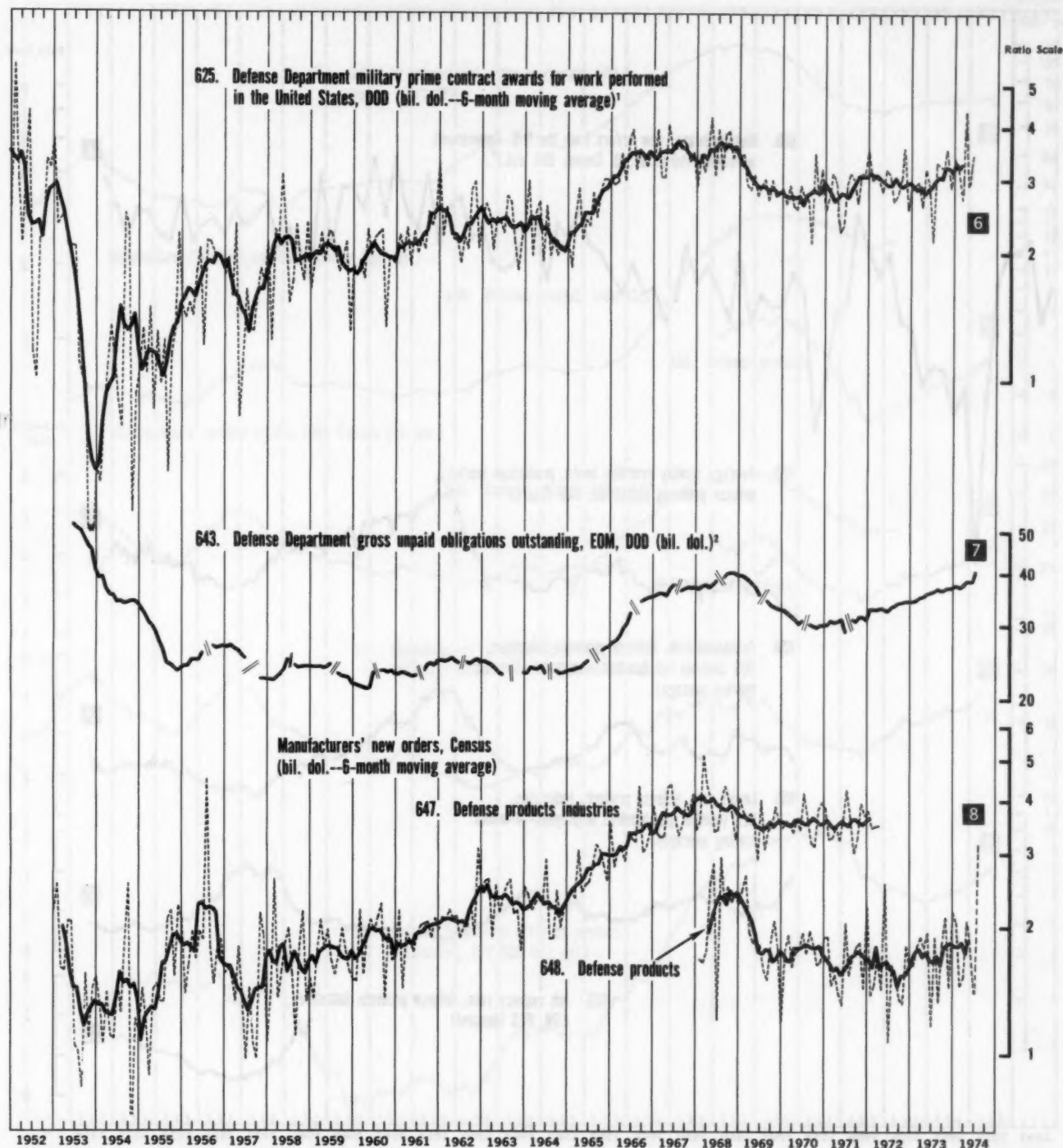


Current data for these series are shown on pages 15 and 16.

CHART

2

Advance Indicators of Defense Activity--Continued

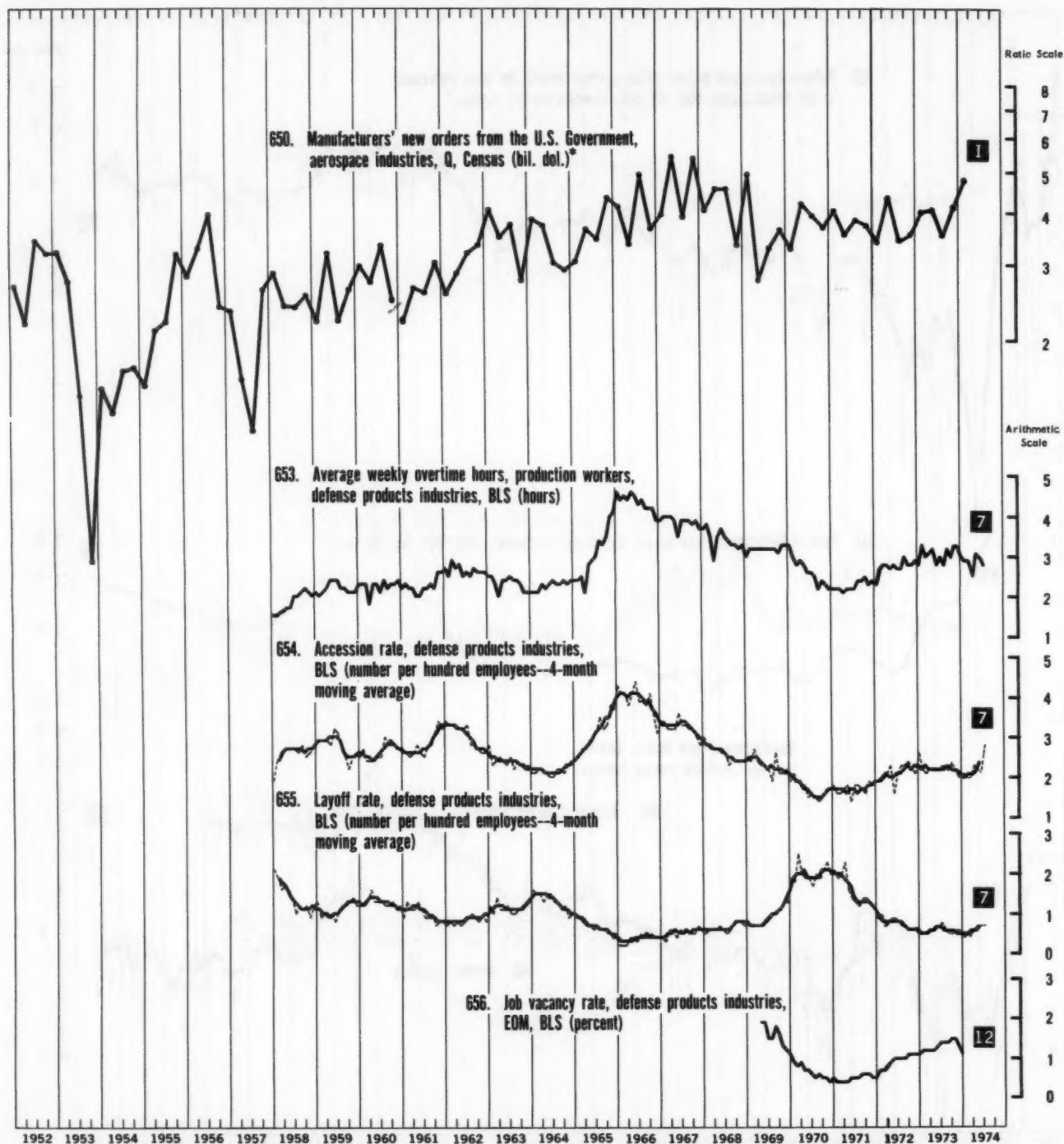


¹Data prior to July 1955 exclude orders written to other Government agencies.
²Data for the following months not available: July of 1956-71; August of 1956-57 and 1963-66; September of 1957, 1963, and 1965; and October and November of 1963.
³Contract awards for November 1953--\$265 million; December 1953--\$390 million. Current data for these series are shown on pages 16 and 20.

CHART

2

Advance Indicators of Defense Activity--Continued

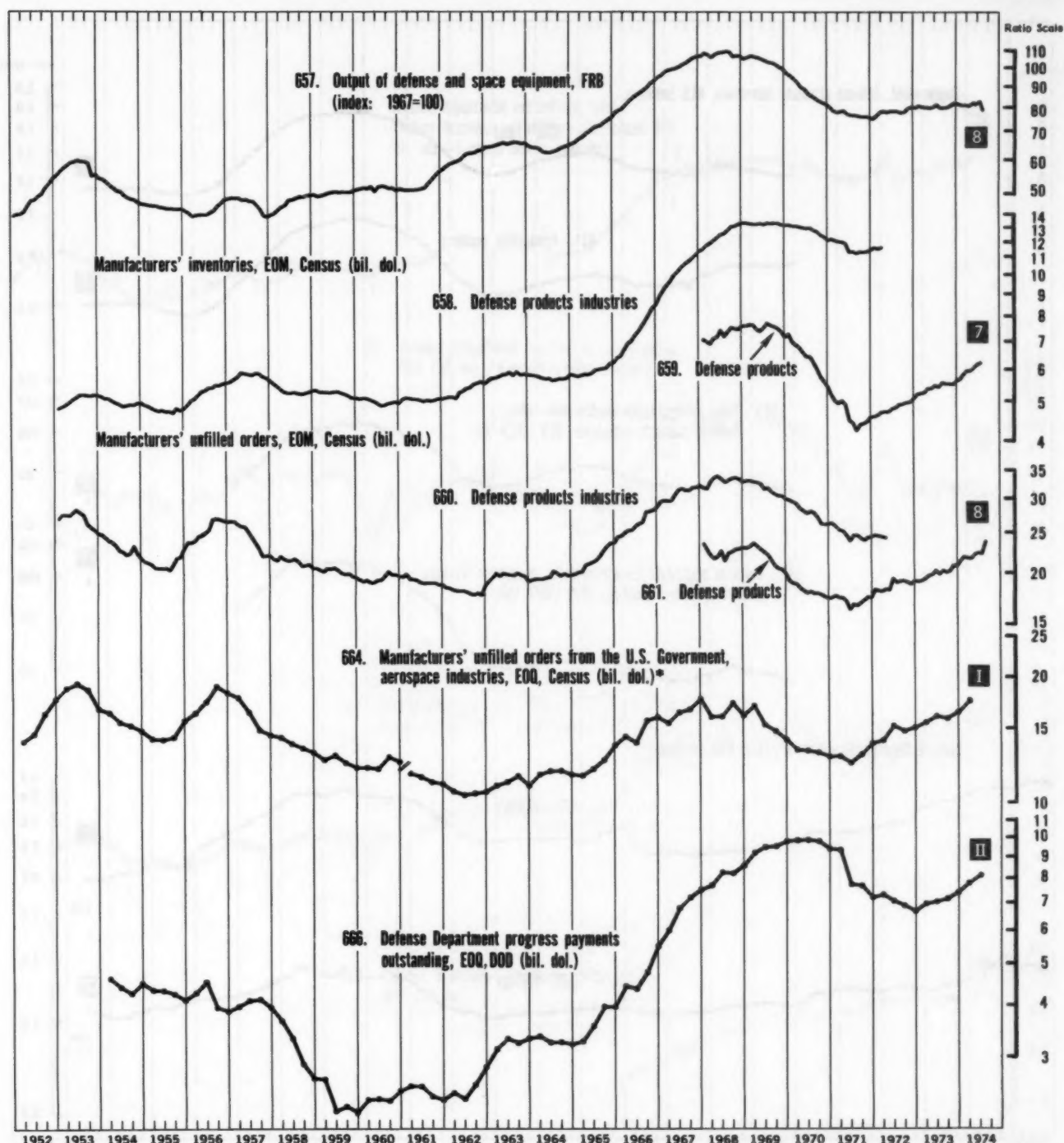


*Data prior to 1961 include orders from non-Government customers.
Current data for these series are shown on pages 20 and 21.

CHART

3

Intermediate and Final Indicators of Defense Activity

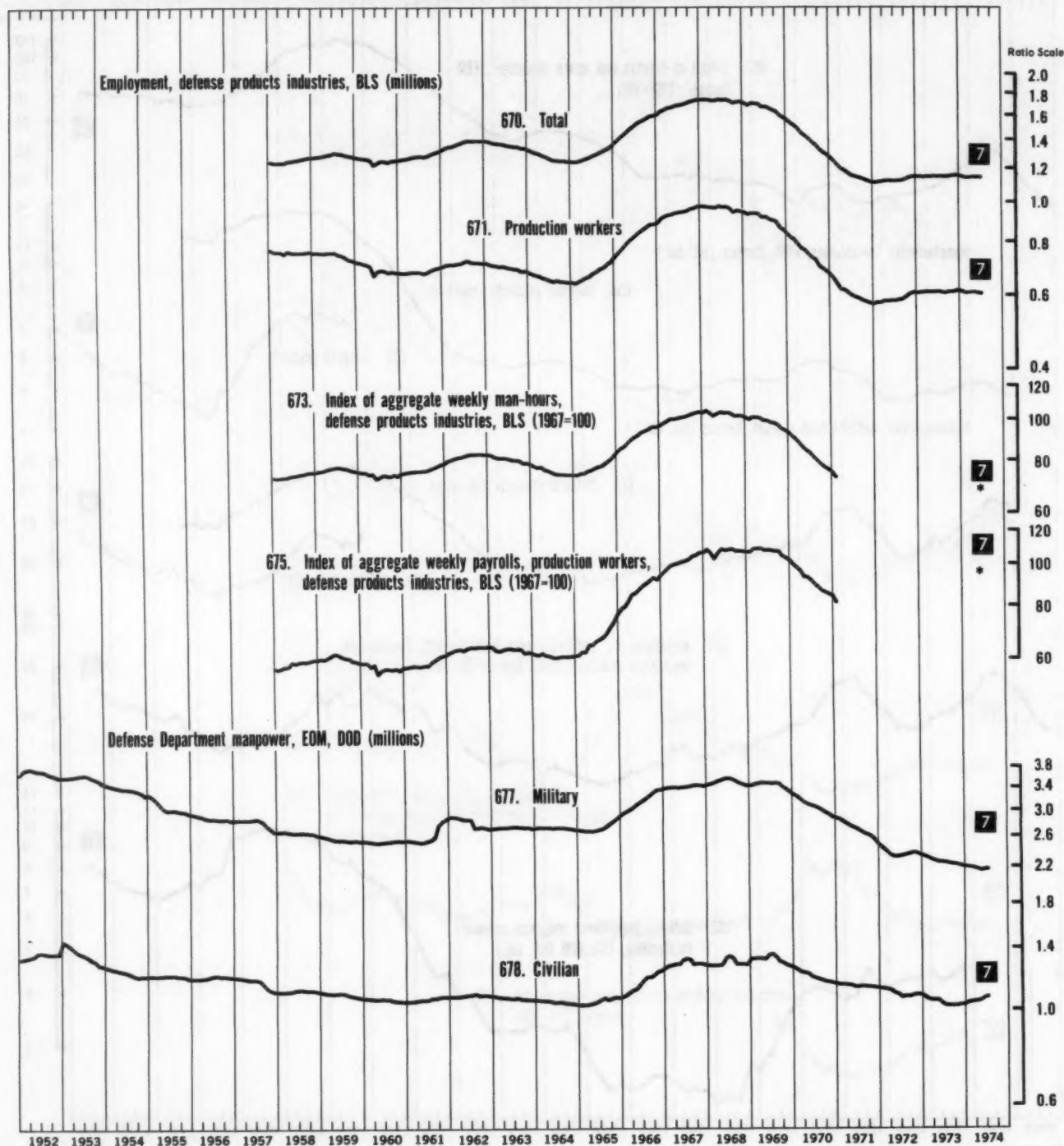


*Data prior to 1961 include orders from non-Government customers.
Current data for these series are shown on page 22.

CHART

3

Intermediate and Final Indicators of Defense Activity--Continued

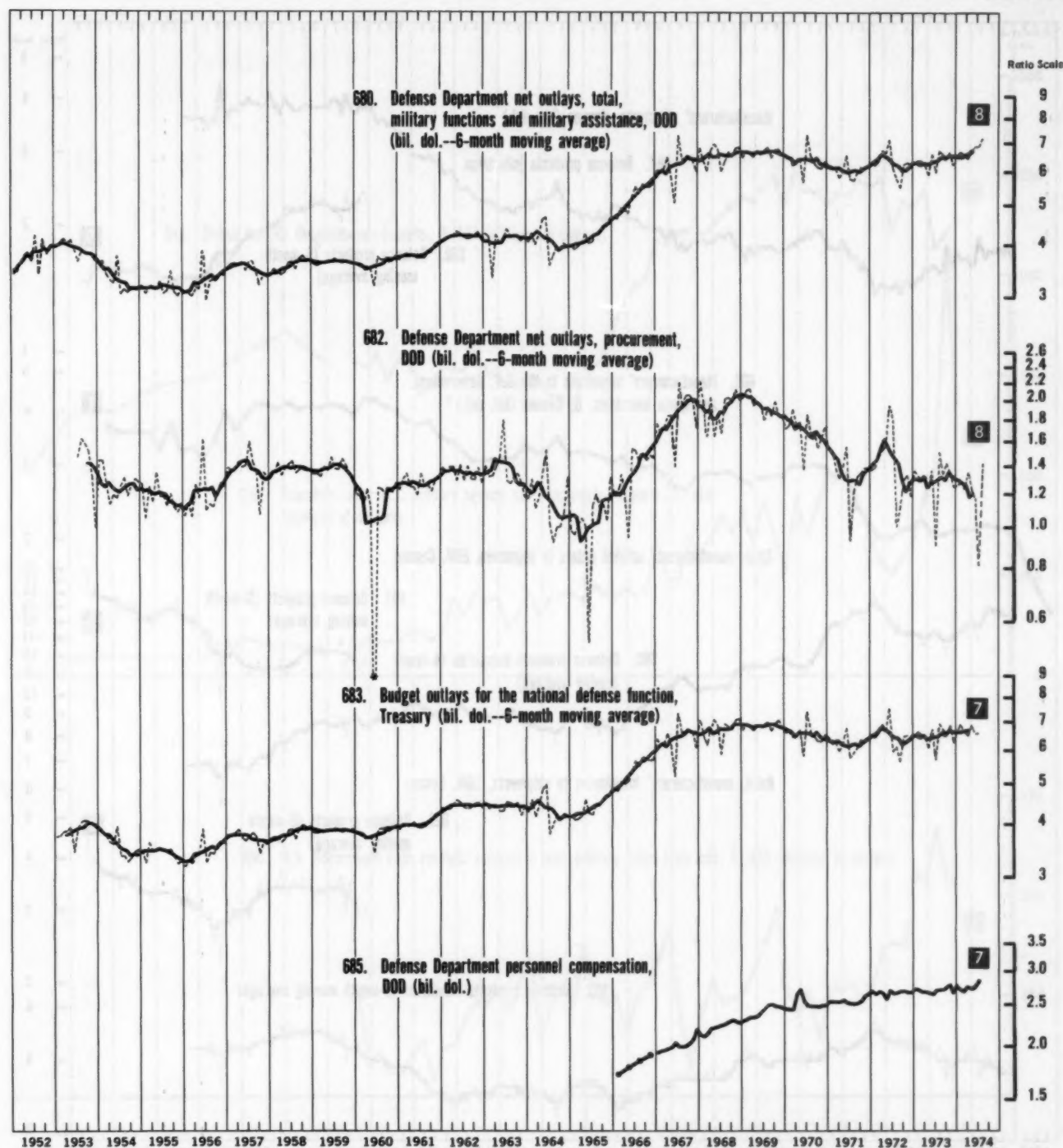


*Data for the period March 1971 through May 1974 are not available (see page 23).
Current data for these series are shown on pages 22, 23, and 24.

CHART

3

Intermediate and Final Indicators of Defense Activity--Continued



*Net expenditures for procurement, June 1960--\$245 million.
Current data for these series are shown on pages 24 and 25.

CHART

3

Intermediate and Final Indicators of Defense Activity--Continued

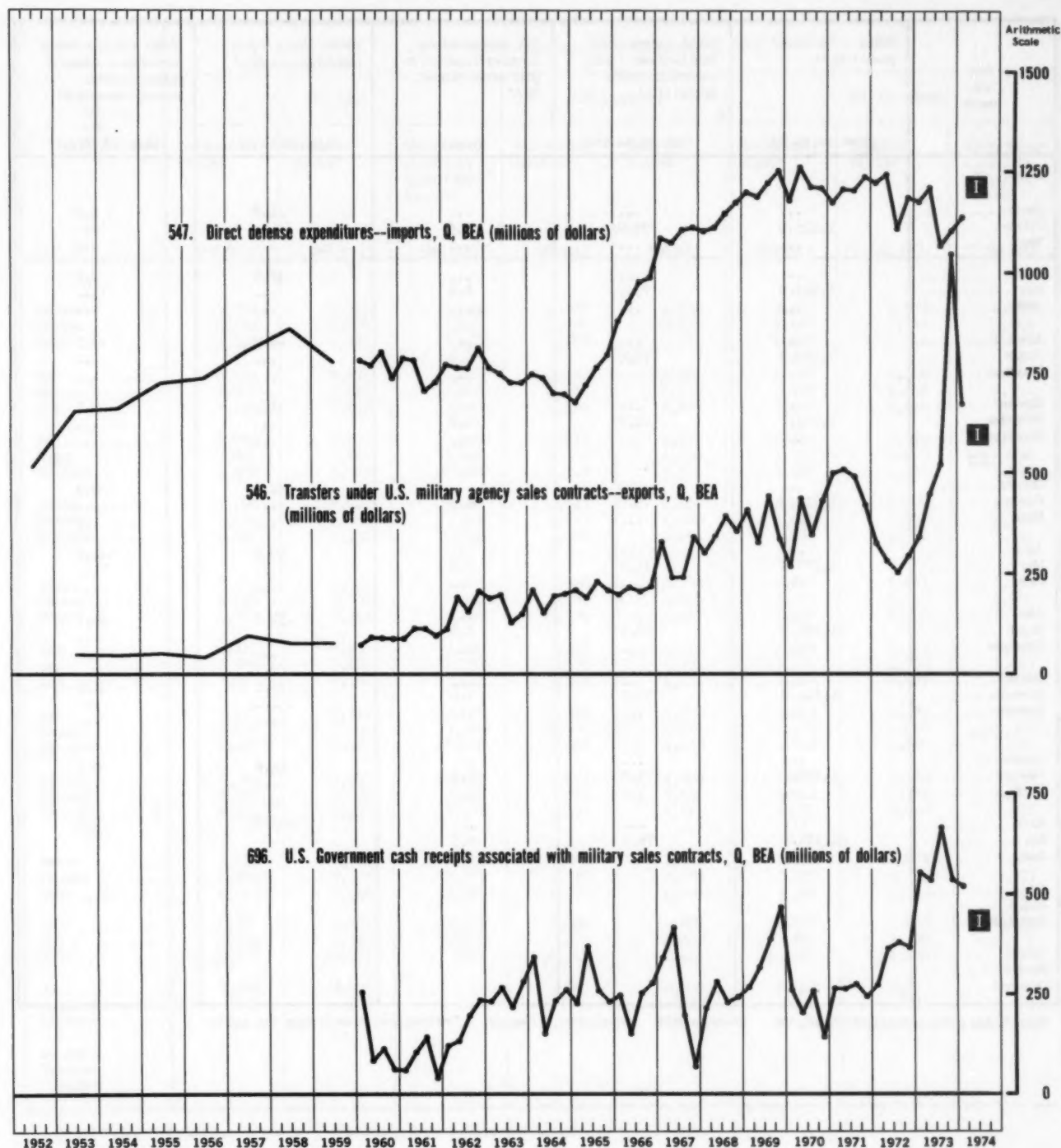


*Data prior to 1961 include shipments to non-Government customers.
Current data for these series are shown on page 26.

CHART

4

Defense-Related Balance of Payments Components



Current data for these series are shown on page 27.

defense indicators

TABLE

1

Gross National Product and National Defense Purchases

Year and month	200(a). Gross national product, BEA* (Ann. rate, bil. dol.)	264(a). Federal Government purchases of goods and services, national defense, BEA* (Ann. rate, bil. dol.)	613. National defense purchases as a percent of gross national product, BEA* (Percent)	200(b). Change in gross national product, BEA* (Ann. rate, bil. dol.)	264(b). Change in Federal Government purchases of goods and services, national defense, BEA* (Ann. rate, bil. dol.)
1972					
January .....	...	...	...	31.8	3.8
February	1,115.0	75.9	6.8	...	...
March .....	...	...	...	...	...
April .....	...	...	...	28.0	0.0
May	1,143.0	75.9	6.6	...	...
June .....	...	...	...	...	...
July .....	...	...	...	26.3	-3.3
August	1,169.3	72.6	6.2	...	...
September .....	...	...	...	...	...
October .....	...	...	...	35.4	2.1
November	1,204.7	74.7	6.2	...	...
December .....	...	...	...	...	...
1973					
January .....	...	...	...	44.2	0.3
February	1,248.9	75.0	6.0	...	...
March .....	...	...	...	...	...
April .....	...	...	...	29.0	-1.0
May	1,277.9	74.0	5.8	...	...
June .....	...	...	...	...	...
July .....	...	...	...	31.0	-0.7
August	1,308.9	73.3	5.6	...	...
September .....	...	...	...	...	...
October .....	...	...	...	35.1	2.0
November	1,344.0	75.3	5.6	...	...
December .....	...	...	...	...	...
1974					
January .....	...	...	...	14.8	0.5
February	1,358.8	75.8	5.6	...	...
March .....	...	...	...	...	...
April .....	...	...	...	r25.0	0.8
May	r1,383.8	76.6	5.5		
June					
July					
August					
September					
October					
November					
December					

Note: All data on this page are seasonally adjusted. NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See page 5.)

Advance Indicators of Defense Activity

Year and month	Defense Department gross obligations incurred, DOD							
	617. Total			619. Operations		621. Procurement		
	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972								
January	7,772	7,721	7,134	4,623	4,572	2,534	2,329	1,887
February	6,542	6,956	7,133	3,990	4,338	1,667	1,755	1,845
March	6,445	6,854	7,139	4,170	4,375	1,470	1,744	1,816
April	6,455	7,290	7,073	4,437	4,361	1,278	1,660	1,768
May	5,813	6,729	7,005	4,084	4,323	993	1,448	1,704
June	9,429	6,889	7,166	5,110	4,396	2,975	1,670	1,771
July	7,769	7,310	7,123	4,933	4,410	1,310	1,949	1,719
August	7,810	7,921	7,065	4,559	4,456	1,767	2,158	1,694
September	6,899	6,599	7,127	4,345	4,516	1,582	1,432	1,722
October	7,178	6,941	7,067	4,647	4,419	1,757	1,507	1,656
November	6,489	7,102	7,014	4,193	4,488	1,556	1,617	1,603
December	6,066	6,530	6,904	4,027	4,456	1,456	1,274	1,550
1973								
January	7,414	6,990	7,023	4,688	4,494	1,815	1,631	1,595
February	6,691	7,260	7,011	4,097	4,656	1,785	1,838	1,569
March	6,716	7,313	7,009	4,174	4,427	1,435	1,704	1,588
April	6,342	6,873	7,096	4,522	4,445	1,028	1,349	1,648
May	5,997	7,086	7,183	4,195	4,393	1,171	1,730	1,623
June	9,327	7,054	7,190	5,122	4,471	2,871	1,633	1,596
July	8,180	7,510	7,052	5,334	4,679	1,019	1,483	1,495
August	7,505	7,304	7,162	4,634	4,552	1,393	1,676	1,568
September	6,289	6,486	7,197	4,201	4,429	1,168	1,099	1,515
October	8,074	7,533	7,120	5,024	4,716	2,105	1,788	1,494
November	6,917	7,293	7,160	4,346	4,652	1,714	1,771	1,593
December	6,041	6,597	7,172	4,133	4,643	1,321	1,149	1,599
1974								
January	8,113	7,750	7,334	4,991	4,714	2,337	2,077	1,689
February	6,826	7,375	7,377	4,187	4,758	1,677	1,708	1,731
March	6,613	7,458	7,320	4,377	4,699	1,381	1,642	1,658
April	7,375	7,787	p7,576	4,982	4,804	1,546	2,040	p1,696
May	6,104	6,952	7,656	4,434	4,662	894	1,330	p1,670
June	p9,977	p8,131	(NA)	p6,113	p5,415	p2,407	p1,379	(NA)
July	9,285	8,235		5,901	5,110	1,332	1,919	
August	(NA)	(NA)		(NA)	(NA)	(NA)	(NA)	
September								
October								
November								
December								

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See page 6.)

defense indicators

TABLE

2

Advance Indicators of Defense Activity--Continued

Year and month	623. Gross obligations incurred outside the Federal Government for national defense, Treasury		Defense Department military prime contract awards for work performed in the United States, DOD						
	Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*	625. Total			626. Aircraft		627. Missile and space systems	
			Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972									
January	8,256	7,399	3,210	3,520	3,048	634	...	359	...
February	7,168	7,444	2,499	2,982	3,112	469	1,981	410	1,395
March	7,294	7,421	2,871	3,025	3,061	726	...	473	...
April	7,401	7,392	2,167	2,985	3,075	471	...	257	...
May	7,196	7,239	2,204	2,786	3,001	367	2,129	209	1,255
June	7,037	7,355	5,574	3,154	2,944	1,586	...	481	...
July	7,335	7,257	3,415	3,074	2,894	955	...	681	...
August	7,867	7,177	2,593	2,638	2,887	529	1,940	326	1,154
September	6,707	7,381	2,815	2,725	3,021	523	...	481	...
October	6,923	7,371	3,008	2,946	2,917	395	...	516	...
November	8,416	7,231	2,997	3,589	2,876	427	1,584	491	1,283
December	6,977	7,371	2,611	2,532	2,919	612	...	359	...
1973									
January	6,496	7,490	2,578	2,824	2,956	728	...	377	...
February	8,706	7,501	2,418	2,899	2,893	328	1,942	297	1,306
March	7,421	7,281	2,841	2,947	2,824	721	...	504	...
April	6,986	p7,264	1,854	2,568	2,884	122	...	233	...
May	7,098	p7,477	2,489	3,171	2,765	866	1,948	129	967
June	p6,877	p7,266	5,122	2,897	2,828	1,243	...	349	...
July	7,773	p7,294	2,357	2,106	2,873	396	...	207	...
August	7,441	p7,619	3,224	3,276	2,975	611	1,804	921	1,200
September	7,588	p7,672	3,309	3,222	3,032	867	...	435	...
October	8,935	7,592	3,198	3,176	3,024	939	...	368	...
November	7,417	7,674	2,967	3,515	3,236	686	2,150	283	1,138
December	6,396	7,746	2,944	2,850	3,214	316	...	563	...
1974									
January	8,264	7,784	3,084	3,378	3,123	1,093	...	206	...
February	7,874	7,673	2,613	3,141	3,317	598	2,424	305	844
March	7,819	7,712	2,602	2,677	3,212	517	...	255	...
April	8,270	p8,068	3,127	4,343	3,310	459	...	303	...
May	7,647	(NA)	2,250	2,881	(NA)	308	1,104	297	1,271
June	p8,534		6,086	3,440		502		323	
July	(NA)		(NA)	(NA)		(NA)		(NA)	
August									
September									
October									
November									
December									

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See pages 6 and 7.)

Advance Indicators of Defense Activity--Continued

Year and month	Defense Department military prime contract awards for work performed in the United States, DOD--Continued						
	628. Ships, not seasonally adjusted	629. Weapons and ammunition		630. Electronic and communications equipment		631. Combat vehicles	
		Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972							
January	851	257	...	307	...	13	...
February	132	250	779	324	1,083	7	51
March	165	225	...	347	...	13	...
April	59	235	...	248	...	37	...
May	89	225	734	272	959	17	103
June	194	448	...	731	...	72	...
July	160	41	...	234	...	6	...
August	370	82	562	215	931	18	131
September	311	166	...	298	...	140	...
October	276	292	...	302	...	15	...
November	266	269	614	401	937	40	98
December	148	236	...	228	...	33	...
1973							
January	84	207	...	214	...	14	...
February	378	226	658	215	939	11	60
March	85	195	...	420	...	11	...
April	82	150	...	237	...	12	...
May	78	184	725	351	959	15	65
June	139	566	...	654	...	54	...
July	337	21	...	131	...	50	...
August	220	81	436	354	990	24	80
September	203	114	...	313	...	27	...
October	161	105	...	248	...	116	...
November	465	106	310	392	900	21	214
December	588	192	...	261	...	56	...
1974							
January	52	135	...	311	...	102	...
February	212	244	541	415	1,013	5	253
March	103	142	...	206	...	40	...
April	190	170	...	403	...	129	...
May	155	123	680	270	1,110	98	502
June	1,175	554	...	732	...	404	...
July	(NA)	(NA)	...	(NA)	...	(NA)	...
August							
September							
October							
November							
December							

NA=not available; p=preliminary; r=revised.

defense indicators

TABLE
2

Advance Indicators of Defense Activity--Continued

Year and month	Defense Department military prime contract awards for work performed in the United States, DOD--Continued							
	632. Other hard goods		633. Soft goods		634. Construction		635. Services	
	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972								
January	92	...	115	...	74	...	135	...
February	135	401	121	516	177	434	148	697
March	135	...	125	...	144	...	143	...
April	132	...	120	...	147	...	118	...
May	169	506	155	551	174	440	163	737
June	399	...	141	...	470	...	440	...
July	62	...	545	...	138	...	347	...
August	106	418	179	557	103	465	325	622
September	111	...	127	...	64	...	167	...
October	107	...	111	...	77	...	571	...
November	111	318	85	539	88	368	132	799
December	115	...	358	...	69	...	155	...
1973								
January	140	...	141	...	103	...	154	...
February	141	458	112	519	205	484	140	755
March	130	...	102	...	131	...	152	...
April	145	...	113	...	153	...	195	...
May	128	480	97	488	151	442	137	776
June	393	...	158	...	493	...	446	...
July	65	...	489	...	34	...	341	...
August	117	432	177	553	111	377	265	653
September	106	...	186	...	101	...	252	...
October	133	...	154	...	147	...	388	...
November	142	365	235	600	54	450	161	663
December	108	...	228	...	86	...	178	...
1974								
January	128	...	297	...	90	...	204	...
February	111	467	145	1,374	52	258	138	900
March	179	...	487	...	92	...	181	...
April	294	...	344	...	248	...	166	...
May	139	564	214	1,081	58	504	168	846
June	352	...	256	...	604	...	524	...
July	(NA)	...	(NA)	...	(NA)	...	(NA)	...
August .....	...	...	...	...	...	...	...	...
September .....	...	...	...	...	...	...	...	...
October .....	...	...	...	...	...	...	...	...
November .....	...	...	...	...	...	...	...	...
December .....	...	...	...	...	...	...	...	...

NA=not available; p=preliminary; r=revised.

Advance Indicators of Defense Activity--Continued

Year and month	Defense Department military prime contract awards for work performed in the United States, DOD--Continued					640. Defense Department military prime contract awards for work outside the United States, DOD	
	636. Contracts under \$10,000		637. Educational and nonprofit institutions		638. Civilian Health and Medical Program of the Uniformed Services (CHAMPUS), not seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted			
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972							
January	327	...	46	...	...	169	...
February	289	942	37	155	...	130	492
March	317	...	58	...	...	106	...
April	300	...	43	...	...	82	...
May	318	901	46	187	...	95	536
June	516	...	96	...	...	290	...
July	159	...	87	...	...	368	...
August	279	954	61	220	...	278	545
September	348	...	79	...	...	195	...
October	277	...	69	...	0	142	...
November	313	911	114	192	260	104	455
December	255	...	43	...	0	99	...
1973							
January	341	...	41	...	34	156	...
February	320	1,003	45	152	0	151	527
March	334	...	43	...	13	125	...
April	356	...	46	...	10	213	...
May	319	977	35	168	-1	83	645
June	551	...	76	...	0	264	...
July	225	...	61	...	0	368	...
August	210	997	123	259	10	244	497
September	390	...	86	...	229	159	...
October	319	...	85	...	35	194	...
November	335	1,059	87	169	0	240	833
December	326	...	29	...	13	186	...
1974							
January	327	...	76	...	63	160	...
February	333	996	55	224	0	114	594
March	329	...	58	...	13	198	...
April	384	...	37	...	0	80	...
May	382	1,066	38	156	0	94	559
June	570	...	70	...	20	333	...
July	(NA)	...	(NA)	...	(NA)	(NA)	...
August .....	...	...	...	...	...	...	...
September .....	...	...	...	...	...	...	...
October .....	...	...	...	...	...	...	...
November .....	...	...	...	...	...	...	...
December .....	...	...	...	...	...	...	...

NA=not available; p=preliminary; r=revised.

defense indicators

TABLE

2

Advance Indicators of Defense Activity--Continued

Year and month	Defense Department gross unpaid obligations outstanding, DOD						648. Manufacturers' new orders, defense products, Census		650. Manufacturers' new orders from the U.S. Government, aerospace industries, Census, seasonally adjusted*
	643. Total		644. Operations		645. Procurement				
	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*	
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	
1972									
January	33,734	32,879	5,303	4,998	21,702	21,131	2,241	1,692	...
February	33,554	32,832	5,021	5,011	21,877	21,364	1,384	1,680	3,399
March	32,480	32,742	4,635	4,864	21,637	21,680	1,460	1,612	...
April	32,152	32,976	4,439	4,727	21,360	21,774	1,724	1,803	...
May	30,675	32,772	3,891	4,323	20,672	21,578	1,430	1,608	4,369
June	31,347	32,417	4,211	4,700	20,982	20,692	2,577	1,650	...
July	32,546	33,109	4,739	4,881	20,570	20,820	1,074	1,663	...
August	33,684	33,350	5,043	4,807	20,813	21,347	1,635	1,602	3,453
September	34,563	33,985	5,349	5,104	21,237	21,280	1,540	1,583	...
October	35,251	34,026	5,845	5,196	21,645	21,537	1,356	1,455	...
November	35,009	34,255	5,671	5,270	21,836	21,663	1,319	1,546	3,585
December	34,601	34,225	5,438	5,384	22,023	21,634	1,806	1,545	...
1973									
January	35,171	34,280	5,741	5,381	22,326	21,718	1,618	1,589	...
February	35,287	34,426	5,589	5,523	22,721	21,953	1,633	1,680	4,060
March	34,766	34,976	5,273	5,586	22,469	22,291	1,804	1,758	...
April	34,297	35,140	5,424	5,807	22,044	22,244	1,900	1,783	...
May	33,409	35,693	5,227	5,886	21,753	22,565	1,789	1,709	4,095
June	34,621	35,877	5,301	6,044	22,806	22,558	1,956	1,754	...
July	e35,500	e36,188	e6,200	e6,385	e22,100	e22,620	1,175	1,676	...
August	37,069	36,666	6,754	6,420	22,432	22,960	1,898	1,664	3,568
September	36,829	36,285	6,719	6,454	22,195	22,556	1,338	1,720	...
October	38,039	36,682	7,519	6,660	22,679	22,656	1,827	1,635	...
November	37,680	36,869	7,193	6,673	22,877	22,763	2,124	1,803	4,199
December	37,244	36,839	7,064	6,994	22,932	22,615	1,450	1,831	...
1974									
January	38,249	37,280	7,425	6,959	23,791	23,143	2,183	1,852	...
February	37,963	37,001	7,055	6,964	24,032	23,175	2,064	1,802	p4,862
March	37,249	37,436	6,779	7,189	23,847	23,634	1,462	1,794	...
April	37,264	38,141	7,044	7,550	23,778	23,970	1,527	1,844	...
May	35,601	38,076	6,476	7,301	23,123	23,987	2,079	r1,710	(NA)
June	p36,725	p38,096	p6,877	p7,850	p23,786	p23,550	1,752	p1,888	...
July	e39,626	e40,435	e8,149	e8,392	e24,316	e24,914	r1,377	...	...
August	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	p3,133	...	...
September									
October									
November									
December									

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See pages 7 and 8.)

Advance Indicators of Defense Activity--Continued

Year and month	653. Average weekly overtime hours, production workers, defense products industries, BLS		654. Accession rate, defense products industries, BLS			655. Layoff rate, defense products industries, BLS			656. Job vacancy rate, defense products industries, BLS, not seasonally adjusted*
	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data--4-month*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data--4-month*	
	(Hours)	(Hours)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Percent)
1972									
January	2.4	2.3	1.8	1.9	1.9	1.2	0.9	1.1	0.7
February	2.5	2.7	1.7	1.9	1.9	1.2	1.0	0.9	0.7
March	2.7	2.8	1.9	2.0	2.0	1.0	0.7	0.8	0.8
April	2.5	2.8	1.9	2.1	2.1	0.9	0.8	0.8	0.9
May	2.4	2.7	2.2	2.3	2.0	0.7	0.9	0.8	1.0
June	2.8	2.8	2.5	1.6	2.0	0.6	0.9	0.8	1.0
July	2.4	2.7	2.2	2.1	2.1	0.6	0.8	0.8	1.0
August	2.7	2.7	2.6	2.3	2.1	0.6	0.7	0.8	1.0
September	3.2	3.0	2.5	2.3	2.2	0.6	0.7	0.7	1.1
October	3.0	2.8	2.4	2.4	2.3	0.6	0.6	0.6	1.1
November	3.1	2.8	1.9	2.2	2.2	0.6	0.6	0.6	1.1
December	3.4	2.9	1.5	2.1	2.3	0.5	0.6	0.6	1.1
1973									
January	2.9	2.8	2.5	2.6	2.3	0.8	0.5	0.6	1.2
February	3.1	3.3	2.0	2.2	2.2	0.7	0.5	0.5	1.2
March	2.9	3.0	2.0	2.1	2.3	0.7	0.5	0.5	1.2
April	2.8	3.1	2.0	2.2	2.2	0.6	0.6	0.6	1.2
May	2.9	3.2	2.2	2.2	2.2	0.5	0.7	0.6	1.3
June	2.8	2.8	2.9	2.2	2.2	0.5	0.7	0.7	1.4
July	2.7	3.0	2.5	2.3	2.2	0.6	0.8	0.7	1.4
August	2.8	2.8	2.6	2.3	2.2	0.5	0.6	0.6	1.4
September	3.4	3.2	2.4	2.2	2.3	0.4	0.5	0.6	1.5
October	3.2	3.0	2.5	2.4	2.3	0.6	0.5	0.6	1.5
November	3.6	3.3	2.0	2.2	2.2	0.7	0.6	0.6	1.3
December	3.7	3.3	1.3	2.0	2.2	0.5	0.6	0.5	1.1
1974									
January	2.9	3.0	2.1	2.1	2.1	0.7	0.4	0.5	(NA)
February	2.8	2.9	1.8	2.0	2.0	0.7	0.5	0.5	
March	2.9	2.9	1.9	2.0	2.1	0.6	0.4	0.5	
April	2.2	2.5	2.1	2.3	2.1	0.6	0.6	0.6	
May	2.8	3.1	2.2	2.2	2.2	0.5	0.7	0.6	
June	3.0	3.0	2.8	2.1	2.4	0.5	0.7	0.7	
July	p2.5	p2.8	3.0	2.8	(NA)	0.5	0.7	(NA)	
August	(NA)	(NA)	(NA)	(NA)		(NA)	(NA)		
September									
October									
November									
December									

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See page 8.)

defense indicators

TABLE

3

Intermediate and Final Indicators of Defense Activity

Year and month	657. Output of defense and space equipment, FRB, seasonally adjusted*	659. Manufacturers' inventories, defense products, Census, seasonally adjusted*	661. Manufacturers' unfilled orders, defense products, Census, seasonally adjusted*	664. Manufacturers' unfilled orders from the U.S. Government, aerospace industries, Census, seasonally adjusted*	666. Defense Department progress payments outstanding, DOD, not seasonally adjusted*	670. Employment in defense products industries, total, BLS	
	(Index: 1967=100)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	Not seasonally adjusted	Seasonally adjusted*
1972							
January	74.8	4,594	18,206	...	...	1,108	1,105
February	76.0	4,627	18,071	...	...	1,109	1,108
March	77.6	4,706	18,034	14,052	7,297	1,108	1,109
April	78.1	4,720	18,249	...	...	1,109	1,116
May	77.7	4,711	18,176	...	...	1,109	1,117
June	78.1	4,802	19,322	15,233	7,043	1,113	1,116
July	78.3	4,831	18,907	...	...	1,113	1,115
August	78.1	4,911	19,076	...	...	1,114	1,117
September	77.6	4,937	19,119	14,819	6,866	1,125	1,119
October	77.9	4,978	18,966	...	...	1,131	1,128
November	79.6	4,988	18,773	...	...	1,142	1,137
December	80.1	5,087	19,070	15,106	6,668	1,146	1,143
1973							
January	79.8	5,210	19,060	...	...	1,145	1,141
February	80.6	5,248	19,123	...	...	1,143	1,142
March	80.1	5,266	19,343	15,533	6,942	1,139	1,140
April	80.0	5,384	19,659	...	...	1,137	1,144
May	79.7	5,384	19,780	...	...	1,135	1,143
June	80.1	5,477	20,211	16,084	7,026	1,142	1,145
July	81.1	5,434	19,824	...	...	1,141	1,144
August	79.7	5,555	20,210	...	...	1,142	1,146
September	79.8	5,528	20,013	15,956	7,139	1,148	1,143
October	80.0	5,531	20,215	...	...	1,150	1,147
November	80.9	5,508	20,797	...	...	1,154	1,150
December	81.9	5,615	20,740	16,448	7,385	1,155	1,152
1974							
January	81.4	5,679	21,372	...	...	1,150	1,147
February	80.9	5,837	21,827	...	...	1,144	1,143
March	81.0	5,966	21,678	p17,459	7,781	1,142	1,144
April	80.6	5,978	21,622	...	...	1,141	1,147
May	r82.2	6,119	22,107	...	...	1,138	1,146
June	r81.6	6,201	22,261	(NA)	8,104	1,143	r1,147
July	r82.8	6,303	r22,208			r1,143	r1,146
August	p78.1	(NA)	p23,861			(NA)	(NA)
September							
October							
November							
December							

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See pages 9 and 10.)

Intermediate and Final Indicators of Defense Activity--Continued

Year and month	671. Employment in defense products industries, production workers, BLS		673. Index of aggregate weekly man-hours, defense products industries, BLS		675. Index of aggregate weekly payrolls, production workers, defense products industries, BLS	
	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*
	(Thous.)	(Thous.)	(1967=100)	(1967=100)	(1967=100)	(1967=100)
1972						
January	570	567	(1)	(1)	(1)	(1)
February	573	572	(1)	(1)	(1)	(1)
March	571	572	(1)	(1)	(1)	(1)
April	572	577	(1)	(1)	(1)	(1)
May	571	577	(1)	(1)	(1)	(1)
June	575	578	(1)	(1)	(1)	(1)
July	575	578	(1)	(1)	(1)	(1)
August	578	581	(1)	(1)	(1)	(1)
September	587	582	(1)	(1)	(1)	(1)
October	592	589	(1)	(1)	(1)	(1)
November	604	599	(1)	(1)	(1)	(1)
December	608	604	(1)	(1)	(1)	(1)
1973						
January	606	602	(1)	(1)	(1)	(1)
February	606	604	(1)	(1)	(1)	(1)
March	603	605	(1)	(1)	(1)	(1)
April	601	606	(1)	(1)	(1)	(1)
May	599	605	(1)	(1)	(1)	(1)
June	603	606	(1)	(1)	(1)	(1)
July	603	607	(1)	(1)	(1)	(1)
August	601	604	(1)	(1)	(1)	(1)
September	608	603	(1)	(1)	(1)	(1)
October	610	607	(1)	(1)	(1)	(1)
November	611	606	(1)	(1)	(1)	(1)
December	615	611	(1)	(1)	(1)	(1)
1974						
January	611	608	(1)	(1)	(1)	(1)
February	606	604	(1)	(1)	(1)	(1)
March	603	605	(1)	(1)	(1)	(1)
April	602	607	(1)	(1)	(1)	(1)
May	599	606	(1)	(1)	(1)	(1)
June	600	r604	r67.4	r67.6	r94.6	r95.6
July	r598	r603	p66.9	p67.6	p93.0	p95.7
August	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
September						
October						
November						
December						

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See page 10.)

¹Data for the ordnance and accessories component of this series (SIC Code 19) are being revised by the source agency for the period March 1971 through May 1974 to correct processing errors. The corrected data for this period are expected to be available in December when the source agency introduces routine benchmark revisions. This series will be recalculated to include all revisions and corrections at that time. In the interim, data will not be shown for the aforementioned period.

defense indicators

TABLE

3

Intermediate and Final Indicators of Defense Activity--Continued

Year and month	Defense Department manpower, DOD		Defense Department net outlays, DOD				
	677. Military, not seasonally adjusted*	678. Civilian, not seasonally adjusted*	680. Total, military functions and military assistance			681. Operations	
			Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*	Not seasonally adjusted	Seasonally adjusted
	(Thous.)	(Thous.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972							
January	2,462	1,119	5,973	6,280	6,209	3,971	4,144
February	2,426	1,117	6,128	6,205	6,306	4,013	4,069
March	2,385	1,112	6,944	6,341	6,398	4,307	4,112
April	2,341	1,107	6,539	6,722	6,550	4,294	4,248
May	2,319	1,090	6,911	6,623	6,521	4,535	4,459
June	2,323	1,083	8,769	7,130	6,448	4,271	3,615
July	2,332	1,068	4,987	6,107	6,308	3,972	4,436
August	2,344	1,073	5,679	5,766	6,228	3,928	3,937
September	2,356	1,071	5,212	5,502	6,174	3,805	3,975
October	2,371	1,081	6,107	6,237	6,024	3,925	4,079
November	2,370	1,083	6,313	6,303	6,049	4,084	4,074
December	2,348	1,082	6,063	6,232	6,151	4,012	4,093
1973							
January	2,334	1,073	6,388	6,256	6,295	4,119	4,107
February	2,314	1,057	6,054	6,377	6,288	3,988	4,162
March	2,291	1,051	6,736	6,366	6,220	4,217	4,167
April	2,274	1,051	6,222	6,194	6,281	4,087	3,970
May	2,256	1,051	6,213	5,896	6,235	4,033	3,946
June	2,253	1,031	7,854	6,597	6,291	4,537	3,935
July	2,251	1,019	5,005	5,978	6,330	3,669	4,018
August	2,237	1,022	6,649	6,716	6,371	4,279	4,228
September	2,232	1,019	5,967	6,598	6,503	4,027	4,316
October	2,227	1,022	6,527	6,444	6,441	4,105	4,156
November	2,218	1,026	6,766	6,683	6,534	4,359	4,378
December	2,202	1,026	5,953	6,228	6,535	4,066	4,226
1974							
January	2,199	1,034	6,728	6,538	6,524	4,376	4,333
February	2,195	1,039	6,384	6,717	6,527	4,137	4,313
March	2,187	1,042	6,702	6,536	6,537	4,398	4,364
April	2,174	1,046	6,685	6,458	p6,651	4,367	4,221
May	2,156	1,053	7,204	6,745	p6,715	4,718	4,536
June	2,162	1,070	rp7,893	rp6,912	p6,806	p4,809	p4,273
July	2,162	1,074	r5,979	r6,921		r4,628	r4,917
August	(NA)	(NA)	p6,904	p7,261		p4,806	p4,959
September							
October							
November							
December							

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See pages 10 and 11.)

Intermediate and Final Indicators of Defense Activity--Continued

TABLE
3

Year and month	Defense Department net outlays, DOD--Continued			683. Budget outlays for the national defense function, Treasury		685. Defense Department personnel compensation, DOD	
	682. Procurement			Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*	Not seasonally adjusted	Seasonally adjusted*
	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*				
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972							
January	1,276	1,372	1,393	6,449	6,425	2,713	2,687
February	1,367	1,391	1,424	6,442	6,517	2,681	2,642
March	1,666	1,476	1,453	6,582	6,585	2,778	2,686
April	1,456	1,528	1,547	6,912	6,774	2,625	2,660
May	1,621	1,564	1,620	6,684	6,695	2,638	2,571
June	2,390	1,952	1,555	7,574	6,644	2,711	2,700
July	1,675	1,810	1,494	5,976	6,492	2,651	2,654
August	975	1,002	1,456	6,136	6,418	2,693	2,669
September	1,072	1,111	1,417	5,667	6,387	2,610	2,690
October	1,306	1,299	1,290	6,472	6,179	2,636	2,687
November	1,254	1,331	1,216	6,499	6,263	2,658	2,666
December	1,084	1,189	1,271	6,320	6,347	2,609	2,670
1973							
January	1,355	1,367	1,301	6,483	6,493	2,811	2,723
February	1,243	1,329	1,306	6,641	6,482	2,666	2,709
March	1,439	1,291	1,291	6,541	6,415	2,728	2,677
April	1,287	1,330	1,322	6,409	6,489	2,675	2,675
May	1,315	1,243	1,245	6,099	6,353	2,736	2,658
June	1,649	1,371	1,276	6,761	6,404	2,615	2,639
July	863	907	1,285	5,671	6,434	2,712	2,701
August	1,450	1,513	1,300	6,945	6,455	2,735	2,713
September	1,239	1,344	1,318	6,718	6,585	2,615	2,712
October	1,487	1,425	1,298	6,536	6,504	2,732	2,757
November	1,268	1,349	1,357	6,877	6,650	2,765	2,793
December	1,124	1,250	1,318	6,276	6,643	2,589	2,642
1974							
January	1,270	1,262	1,300	6,550	6,621	2,879	2,784
February	1,195	1,276	1,289	6,899	6,612	2,651	2,691
March	1,313	1,241	1,268	6,588	6,613	2,700	2,669
April	1,382	1,355	p1,256	6,484	6,659	2,750	2,745
May	1,292	1,227	p1,180	6,881	6,665	2,817	2,729
June	p1,357	p1,174	p1,205	6,554	(NA)	rp2,746	rp2,779
July	801	810		6,583		p2,898	p2,858
August	p1,348	p1,425		(NA)		(NA)	(NA)
September							
October							
November							
December							

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See page 11.)

defense indicators

TABLE

3

Intermediate and Final Indicators of Defense Activity--Continued

Year and month	688. Manufacturers' shipments, defense products, Census		689. Manufacturers' shipments to the U.S. Government, aerospace industries, Census, seasonally adjusted*	691. Ratio, manufacturers' unfilled orders to shipments, defense products, Census		693. Ratio, manufacturers' inventories to shipments, defense products, Census	
	Seasonally adjusted*	Moving average of seasonally adjusted data--5-month*		Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*	Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Ratio)	(Ratio)	(Ratio)	(Ratio)
1972							
January	1,475	1,496	...	12.3	11.8	3.1	3.0
February	1,519	1,488	3,298	11.9	12.0	3.0	3.1
March	1,497	1,501	...	12.0	12.1	3.1	3.1
April	1,509	1,492	...	12.1	12.3	3.1	3.2
May	1,503	1,486	3,225	12.1	12.4	3.1	3.2
June	1,431	1,480	...	13.5	12.6	3.4	3.2
July	1,489	1,477	...	12.7	12.7	3.2	3.3
August	1,466	1,478	3,767	13.0	12.8	3.3	3.3
September	1,497	1,495	...	12.8	12.8	3.3	3.3
October	1,509	1,499	...	12.6	12.7	3.3	3.3
November	1,512	1,531	3,275	12.4	12.5	3.3	3.3
December	1,509	1,546	...	12.6	12.4	3.4	3.3
1973							
January	1,628	1,561	...	11.7	12.3	3.2	3.3
February	1,570	1,575	3,599	12.2	12.3	3.3	3.3
March	1,584	1,607	...	12.2	12.2	3.3	3.3
April	1,584	1,587	...	12.4	12.3	3.4	3.3
May	1,669	1,585	3,607	11.9	12.4	3.2	3.4
June	1,527	1,571	...	13.2	12.6	3.6	3.4
July	1,562	1,561	...	12.7	12.8	3.5	3.5
August	1,511	1,552	3,612	13.4	12.8	3.7	3.5
September	1,535	1,555	...	13.0	13.0	3.6	3.6
October	1,625	1,543	...	12.4	13.1	3.4	3.6
November	1,541	1,552	3,611	13.5	13.3	3.6	3.6
December	1,505	1,567	...	13.8	13.4	3.7	3.6
1974							
January	1,552	1,564	...	13.8	13.4	3.7	3.6
February	1,610	1,573	p3,756	13.6	13.6	3.6	3.7
March	1,612	1,591	...	13.4	13.7	3.7	3.7
April	1,586	1,600	...	13.6	13.7	3.8	3.8
May	1,594	r1,564	(NA)	13.9	r14.0	3.8	3.9
June	1,596	p1,537	...	13.9	p14.4	3.9	(NA)
July	r1,431	...	...	r15.5	...	4.4	...
August	p1,479	...	...	p16.1	...	(NA)	...
September .....	...	...	...	...	...	...	...
October .....	...	...	...	...	...	...	...
November .....	...	...	...	...	...	...	...
December .....	...	...	...	...	...	...	...

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See page 12.)

TABLE
4

Defense-Related Balance of Payments Components

Year and month	546. Transfers under U.S. military agency sales contracts (exports), BEA		547. Direct defense expenditures (imports), BEA, not seasonally adjusted*	696. U.S. Government cash receipts associated with military sales contracts, BEA	
	Not seasonally adjusted	Seasonally adjusted*		Not seasonally adjusted	Seasonally adjusted*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972					
January .....	...	...	...	...	...
February	311	326	1,222	237	273
March .....	...	...	...	...	...
April .....	...	...	...	...	...
May	321	281	1,242	373	365
June .....	...	...	...	...	...
July .....	...	...	...	...	...
August	224	252	1,109	325	381
September .....	...	...	...	...	...
October .....	...	...	...	...	...
November	299	295	1,185	452	368
December .....	...	...	...	...	...
1973					
January .....	...	...	...	...	...
February	326	342	1,175	520	554
March .....	...	...	...	...	...
April .....	...	...	...	...	...
May	509	446	1,209	544	535
June .....	...	...	...	...	...
July .....	...	...	...	...	...
August	466	520	1,067	610	665
September .....	...	...	...	...	...
October .....	...	...	...	...	...
November	1,054	1,046	1,104	616	536
December .....	...	...	...	...	...
1974					
January .....	...	...	...	...	...
February	p642	p672	p1,138	p487	p520
March .....	...	...	...	...	...
April .....	...	...	...	...	...
May	(NA)	(NA)	(NA)	(NA)	(NA)
June .....	...	...	...	...	...
July .....	...	...	...	...	...
August .....	...	...	...	...	...
September .....	...	...	...	...	...
October .....	...	...	...	...	...
November .....	...	...	...	...	...
December .....	...	...	...	...	...

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See page 13.)

Appendix A. SEASONAL ADJUSTMENT FACTORS

Series title	1974											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
MONTHLY SERIES												
Defense Department gross obligations incurred:												
617. Total ¹	104.7	92.6	88.7	94.7	87.8	122.7	112.8	100.7	101.0	105.7	94.8	91.6
619. Operations ¹	105.9	88.0	93.2	103.7	95.1	112.9	115.5	100.4	94.7	107.9	93.4	89.0
621. Procurement	112.5	98.2	84.1	75.8	67.2	174.6	69.4	83.7	104.2	118.2	97.1	115.0
623. Gross obligations incurred outside the Federal Government for national defense ¹	104.9	87.6	92.3	95.7	89.8	113.8	113.8	105.1	92.6	108.1	100.2	96.2
625. Defense Department military prime contract awards for work performed in the United States	91.3	83.2	97.2	72.0	78.1	176.9	112.3	98.5	102.4	100.1	84.9	103.3
Defense Department gross unpaid obligations outstanding: ²												
643. Total	102.6	102.6	99.5	97.7	93.5	96.4	98.0	101.1	101.4	103.7	102.2	101.1
644. Operations	106.7	101.3	94.3	93.3	88.7	87.6	97.1	105.2	104.0	113.1	107.8	101.0
645. Procurement	102.8	103.7	100.9	99.2	96.4	101.0	97.6	97.7	98.3	100.1	100.5	101.4
648. Manufacturers' new orders, defense products ³	94.9	98.1	98.4	87.5	71.2	93.1	178.1	85.4	116.2	104.9	91.8	106.5
653. Average weekly overtime hours, production workers, defense products industries ⁴	-1	-1	0	-3	-3	0	-3	0	3	2	2	4
654. Accession rate, defense products industries ⁴	0	-2	-1	-2	0	7	2	4	2	1	-2	-7
655. Layoff rate, defense products industries ⁴	3	2	2	0	-2	-2	-2	-1	-1	1	1	-1
657. Output of defense and space equipment ³	100.0	99.9	100.4	99.4	99.9	100.7	98.6	98.9	100.1	100.1	100.9	101.8
659. Manufacturers' inventories, defense products ³	98.6	99.8	101.3	100.6	100.0	99.9	100.2	99.2	99.7	100.6	100.6	99.4
661. Manufacturers' unfilled orders, defense products ³	101.0	101.2	101.0	99.8	97.3	96.3	101.0	99.7	100.5	101.0	99.9	99.8
Employment in defense products industries:												
670. Total	100.3	100.1	99.8	99.5	99.3	99.7	99.7	99.6	100.3	100.2	100.6	100.6
671. Production workers	100.5	100.2	99.6	99.2	98.8	99.3	99.1	99.6	100.8	100.9	101.0	100.8
673. Index of aggregate weekly man-hours, defense products industries	100.3	99.8	100.0	99.3	99.3	99.8	98.9	99.2	100.4	100.3	101.2	101.7
675. Index of aggregate weekly payrolls, production workers, defense products industries	100.8	99.8	100.1	98.6	98.8	98.9	97.1	98.4	100.7	100.5	102.4	104.3
Defense Department net outlays:												
680. Total, military functions and military assistance ¹	102.9	95.0	102.5	103.5	106.8	114.2	86.4	95.1	93.1	102.0	97.7	98.7
681. Operations ¹	101.0	95.9	100.8	103.5	104.0	112.5	94.1	96.9	94.8	99.3	97.4	97.9
682. Procurement ¹	100.6	93.7	105.8	102.0	105.3	115.6	98.9	94.6	93.1	105.7	91.4	91.7
683. Budget outlays for the national defense function ¹	103.7	94.3	101.5	104.1	105.3	114.0	89.0	94.8	92.8	102.3	97.0	96.9
685. Defense Department personnel compensation ¹	103.4	98.5	101.2	100.2	103.2	98.8	101.4	99.0	97.6	99.1	97.6	98.0
688. Manufacturers' shipments, defense products ³	88.0	96.4	99.5	99.6	98.9	105.6	98.1	99.1	103.4	99.5	102.9	108.3
QUARTERLY SERIES												
	IQ			IIQ			IIIQ			IVQ		
200. Gross national product ³	96.1			100.9			98.4			104.5		
264. Fed. Govt. purchases of goods and services, national defense ³	99.2			104.9			95.0			100.9		
546. Transfers under U.S. military agency sales contracts-exports ⁵	-16			63			-54			8		
Defense Department military prime contract awards:												
626. Aircraft	91.1			114.9			104.1			90.3		
627. Missile and space systems	90.8			72.6			130.9			106.7		
629. Weapons and ammunition	96.3			124.5			48.6			129.9		
630. Electronic and communications equipment	92.0			126.6			81.7			100.1		
631. Combat vehicles	58.1			125.8			126.2			90.3		
632. Other hard goods	89.6			139.1			66.5			105.0		
633. Soft goods	67.6			75.3			154.6			102.9		
634. Construction	90.6			180.7			65.1			63.8		
635. Services	58.1			101.4			129.6			109.7		
636. Under \$10,000	99.3			125.3			83.0			92.5		
637. Educational and nonprofit institutions	84.2			93.1			104.7			118.6		
640. Outside U.S.	79.5			90.7			156.4			74.4		
Aerospace industries:												
650. Manufacturers' new orders from the U.S. Government	87.1			90.2			123.4			99.3		
664. Manufacturers' unfilled orders from the U.S. Government	99.7			96.3			102.5			101.5		
689. Manufacturers' shipments to the U.S. Government	93.8			102.5			98.9			105.0		
696. U.S. Govt. cash receipts associated with military sales contracts ⁵	-34			9			-55			80		

NOTE: The seasonal adjustment factors presented in this table were computed using the techniques described in the Bureau of the Census Technical Paper No. 15, *The X-11 Variant of the Census Method II Seasonal Adjustment Program*.

Monthly data for Defense Department military prime contract awards by commodity category (series 626 to 640) have not been adjusted for seasonal variation. The series on direct defense expenditures—imports (series 547), Defense Department progress payments outstanding (series 666), and Defense Department manpower (series 677 and 678) contain no measurable seasonal variation. The series on job vacancy rate, defense products industries (series 656) contains too few observations to be seasonally adjusted.

¹ Factors are products of seasonal and trading-day factors.

² Prior to 1972, data for gross unpaid obligations outstanding are not available for a number

of months but these gaps were filled with averages of preceding and following months for purposes of estimating seasonal variation.

³ These series have been adjusted by the source agencies. The factors shown here are implicit seasonal factors for the calendar year 1973 and are derived by dividing the seasonally unadjusted data by the seasonally adjusted data.

⁴ These series have been seasonally adjusted using the additive version of the seasonal adjustment program. Seasonally adjusted data are derived by subtracting the adjustment factor from the unadjusted data. Seasonally adjusted data for other series are derived by dividing the seasonal factors into the unadjusted data.

⁵ This series is the total of component series which have been adjusted separately by the source agency. The factors shown here are implicit seasonal factors for the calendar year 1973 and are derived by subtracting the seasonally adjusted data from the seasonally unadjusted data.

Appendix C. HISTORICAL DATA

This appendix provides historical data (back to 1945 if available) for selected Defense Indicators series. Data are shown for series which (a) have recently been added to the report, (b) have recently been revised, or (c) have not been shown here for a long time. By keeping these tables, the user can acquire a complete set of historical data. Each time a series is included in this appendix, it is footnoted to indicate the extent of any revisions since it was last shown. See the "Alphabetical Index—Series Finding Guide" for the latest issue in which historical data

were published for each series. Current figures are shown in the basic data tables each month and may be used to update these historical tables.

Official source agency annual figures are shown if available. Such figures may differ slightly from those computed from the monthly or quarterly data appearing in the tables. When both seasonally adjusted and unadjusted data are shown for a series, annual figures are included only for the unadjusted data. Quarterly and annual data are not included for moving averages.

Year	Quarterly				Annual	Year	Quarterly				Annual		
	I Q	II Q	III Q	IV Q			I Q	II Q	III Q	IV Q			
200. GROSS NATIONAL PRODUCT IN CURRENT DOLLARS (ANNUAL RATE, BILLIONS OF DOLLARS)						AVERAGE	200-B. DIFFERENCE FROM PRECEDING PERIOD IN GNP, CURRENT DOLLARS (ANNUAL RATE, BILLIONS OF DOLLARS)						DIFFERENCE ¹
1945.....	...	...	...	...	211.9	1945.....	...	...	...	...	1.6
1946.....	196.5	204.0	214.2	219.2	208.5	1946.....	...	7.5	10.2	5.0	-3.4		
1947.....	223.6	227.6	231.8	242.1	231.3	1947.....	4.4	4.0	4.2	10.3	22.8		
1948.....	248.0	255.6	262.5	263.9	257.6	1948.....	5.9	7.6	6.9	1.4	26.3		
1949.....	258.5	255.2	257.1	255.0	256.5	1949.....	-5.4	-3.3	1.9	-2.1	-1.1		
1950.....	266.0	275.4	293.1	304.5	284.8	1950.....	11.0	9.4	17.7	11.4	28.3		
1951.....	318.0	325.8	332.8	336.9	328.4	1951.....	13.5	7.8	7.0	4.1	43.6		
1952.....	339.5	339.1	345.6	357.7	345.5	1952.....	2.6	-0.4	6.5	12.1	17.1		
1953.....	364.2	367.5	365.8	360.8	364.6	1953.....	6.5	3.3	-1.7	-5.0	19.1		
1954.....	360.7	360.4	364.7	373.4	364.8	1954.....	-0.1	-0.3	4.3	8.7	0.2		
1955.....	386.2	394.4	402.5	408.8	398.0	1955.....	12.8	8.2	8.1	6.3	33.2		
1956.....	410.6	416.2	420.6	429.5	419.2	1956.....	1.8	5.6	4.4	8.9	21.2		
1957.....	436.9	439.9	446.3	441.5	441.1	1957.....	7.4	3.0	6.4	-4.8	21.9		
1958.....	434.7	438.3	451.4	464.4	447.3	1958.....	-6.8	3.6	13.1	13.0	6.2		
1959.....	474.0	486.9	488.0	490.5	483.7	1959.....	9.6	12.9	-2.9	6.5	36.4		
1960.....	503.0	504.7	504.2	503.3	503.7	1960.....	12.5	1.7	-0.5	-0.9	20.0		
1961.....	503.6	514.9	524.2	537.7	520.1	1961.....	0.3	11.3	9.3	13.5	16.4		
1962.....	547.8	557.2	564.4	572.0	560.3	1962.....	10.1	9.4	7.2	7.6	40.2		
1963.....	577.4	584.2	594.7	605.8	590.5	1963.....	5.4	6.8	10.5	11.1	30.2		
1964.....	617.7	628.0	638.9	645.1	632.4	1964.....	11.9	10.3	10.9	6.2	41.9		
1965.....	662.8	675.7	691.1	710.0	684.9	1965.....	17.7	12.9	15.4	18.9	52.5		
1966.....	729.5	743.3	755.9	770.7	749.9	1966.....	19.5	13.8	12.6	14.8	65.0		
1967.....	774.4	784.5	800.9	815.9	793.9	1967.....	3.7	10.1	16.4	15.0	70.3		
1968.....	834.0	857.4	875.2	890.2	864.2	1968.....	18.1	23.4	17.8	15.0	74.0		
1969.....	907.0	923.5	941.7	948.9	930.3	1969.....	16.8	16.5	18.2	7.2	66.1		
1970.....	958.5	970.6	987.4	991.8	977.1	1970.....	9.6	12.1	16.8	4.4	46.8		
1971.....	1027.8	1047.3	1061.3	1083.2	1054.9	1971.....	36.0	19.5	14.0	21.9	77.8		
1972.....	1115.0	1143.0	1169.3	1204.7	1158.0	1972.....	31.8	28.0	26.3	35.4	103.1		
1973.....	1248.9	1277.9	1308.9	1344.0	1294.9	1973.....	44.2	29.0	31.0	35.1	136.9		
1974.....						1974.....							
264. FEDERAL GOVERNMENT PURCHASES OF GOODS AND SERVICES, NATIONAL DEFENSE (ANNUAL RATE, BILLIONS OF DOLLARS)						AVERAGE	264-B. CHANGE IN FED. GOVT. PURCHASES OF GOODS AND SERVICES, NATIONAL DEFENSE (ANNUAL RATE, BILLIONS OF DOLLARS)						DIFFERENCE ¹
1945.....	...	...	...	...	73.5	1945.....	...	...	...	...	...
1946.....	20.4	14.4	11.9	12.3	14.7	1946.....	...	-6.0	-2.5	0.4	-58.8		
1947.....	9.4	8.9	8.7	9.3	9.1	1947.....	-2.9	-0.5	-0.2	0.6	-3.6		
1948.....	9.8	10.4	10.7	12.0	10.7	1948.....	0.5	0.6	0.3	1.3	1.6		
1949.....	12.8	13.4	13.7	13.1	13.3	1949.....	0.8	0.6	0.3	-0.6	2.6		
1950.....	12.5	12.6	14.2	17.1	14.1	1950.....	-0.6	0.1	1.6	2.9	0.8		
1951.....	24.1	30.4	37.7	42.1	33.6	1951.....	7.0	6.3	7.3	4.4	19.5		
1952.....	42.5	45.7	47.0	48.5	45.9	1952.....	0.4	3.2	1.3	1.5	12.3		
1953.....	49.2	49.5	48.4	47.6	48.7	1953.....	0.7	0.3	-1.1	-0.8	2.8		
1954.....	44.4	42.0	39.9	38.5	41.2	1954.....	-3.2	-2.4	-2.1	-1.4	-7.5		
1955.....	38.7	38.2	39.2	38.1	38.6	1955.....	0.2	-0.5	1.0	-1.1	-2.6		
1956.....	38.4	40.4	40.4	42.1	40.3	1956.....	0.3	2.0	0.0	1.7	1.7		
1957.....	43.4	44.1	44.8	44.6	44.2	1957.....	1.3	0.7	0.7	-0.2	3.9		
1958.....	44.7	45.7	46.3	46.9	45.9	1958.....	0.1	1.0	0.6	0.6	1.7		
1959.....	46.5	46.1	45.7	45.9	46.0	1959.....	-0.4	-0.4	-0.4	0.2	0.1		
1960.....	45.0	44.4	44.6	45.8	44.9	1960.....	-0.9	-0.6	0.2	1.2	-1.1		
1961.....	46.9	47.7	47.7	48.9	47.8	1961.....	1.1	0.8	0.0	1.2	2.9		
1962.....	51.1	53.0	51.3	50.9	51.6	1962.....	2.2	1.9	-1.7	-0.4	3.8		
1963.....	51.2	50.5	51.0	50.3	50.8	1963.....	0.3	-0.7	0.5	-0.7	-0.8		
1964.....	50.5	50.7	49.8	48.9	50.0	1964.....	0.2	0.2	-0.9	-0.9	-0.8		
1965.....	48.6	49.2	50.1	52.5	50.1	1965.....	-0.3	0.6	0.9	2.4	0.1		
1966.....	55.3	58.5	63.3	65.6	60.7	1966.....	2.8	3.2	4.8	2.3	10.6		
1967.....	69.9	71.8	73.0	74.7	72.4	1967.....	4.3	1.9	1.2	1.7	11.7		
1968.....	76.5	78.3	79.1	79.4	78.3	1968.....	1.8	1.8	0.8	0.3	5.9		
1969.....	78.0	77.3	79.4	78.9	78.4	1969.....	-1.4	-0.7	2.1	-0.5	0.1		
1970.....	78.5	74.0	73.2	72.6	74.6	1970.....	-0.4	-4.5	-0.8	-0.6	-3.8		
1971.....	71.8	70.8	70.0	72.1	71.2	1971.....	-0.8	-1.0	-0.8	2.1	-3.4		
1972.....	75.9	75.9	72.6	74.7	74.8	1972.....	3.8	0.0	-3.3	2.1	3.6		
1973.....	75.0	74.0	73.3	73.3	74.4	1973.....	0.3	-1.0	-0.7	2.0	-0.4		
1974.....						1974.....							

NOTE: These series contain revisions beginning with 1971.

¹Year-to-year differences are computed from annual data.

(SEPTEMBER 1974)

Appendix C. HISTORICAL DATA—Continued

Year	Quarterly				Annual	Year	Quarterly				Annual		
	I Q	II Q	III Q	IV Q			I Q	II Q	III Q	IV Q			
613. NATIONAL DEFENSE PURCHASES AS A PERCENT OF GROSS NATIONAL PRODUCT (PERCENT)						AVERAGE ¹	546. TRANSFERS UNDER U.S. MILITARY AGENCY SALES CONTRACTS (EXPORTS),NOT SEAS. ADJ. ² (MILLIONS OF DOLLARS)						TOTAL
1946.....	10.4	7.1	5.6	5.6	7.1	1946.....	...	...	...	...	...
1947.....	4.2	3.9	3.8	3.8	3.9	1947.....	...	...	...	...	...
1948.....	4.0	4.1	4.1	4.5	4.2	1948.....	...	...	...	...	...
1949.....	5.0	5.3	5.3	5.1	5.2	1949.....	...	...	...	...	...
1950.....	4.7	4.6	4.8	5.6	5.0	1950.....	...	...	...	...	...
1951.....	7.6	9.3	11.3	12.5	10.2	1951.....	...	...	...	...	...
1952.....	12.5	13.5	13.6	13.6	13.3	1952.....	...	...	...	...	...
1953.....	13.5	13.5	13.2	13.2	13.4	1953.....	...	...	...	...	192
1954.....	12.3	11.7	10.9	10.3	11.3	1954.....	...	...	...	...	182
1955.....	10.0	9.7	9.7	9.3	9.7	1955.....	...	...	...	...	200
1956.....	9.4	9.7	9.6	9.8	9.6	1956.....	...	...	...	...	161
1957.....	9.9	10.0	10.0	10.1	10.0	1957.....	...	...	...	...	375
1958.....	10.3	10.4	10.3	10.1	10.3	1958.....	...	...	...	...	300
1959.....	9.8	9.5	9.4	9.4	9.5	1959.....	...	...	...	...	302
1960.....	8.9	8.8	8.8	9.1	8.9	1960.....	58	122	69	85	335		
1961.....	9.3	9.3	9.1	9.1	9.2	1961.....	71	150	89	93	402		
1962.....	9.3	9.5	9.1	8.9	9.2	1962.....	96	228	127	206	656		
1963.....	8.9	8.6	8.6	8.3	8.6	1963.....	166	243	103	145	657		
1964.....	8.2	8.1	7.8	7.6	7.9	1964.....	198	187	162	201	747		
1965.....	7.3	7.3	7.2	7.4	7.3	1965.....	200	225	194	211	830		
1966.....	7.6	7.9	8.4	8.5	8.1	1966.....	193	257	172	207	829		
1967.....	9.0	9.2	9.1	9.2	9.1	1967.....	328	287	206	328	1,150		
1968.....	9.2	9.1	9.0	8.9	9.0	1968.....	299	415	339	340	1,392		
1969.....	8.6	8.4	8.4	8.3	8.4	1969.....	390	380	404	338	1,512		
1970.....	8.2	7.6	7.4	7.3	7.6	1970.....	256	487	303	433	1,478		
1971.....	7.0	6.8	6.6	6.7	6.7	1971.....	475	577	429	432	1,912		
1972.....	6.8	6.6	6.2	6.2	6.5	1972.....	311	321	224	299	1,154		
1973.....	6.0	5.8	5.6	5.6	5.7	1973.....	326	509	466	1,054	2,354		
1974.....						1974.....							
546. TRANSFERS UNDER U.S. MILITARY AGENCY SALES CONTRACTS (EXPORTS),SEASONALLY ADJ. ² (MILLIONS OF DOLLARS)						547. DIRECT DEFENSE EXPENDITURES (IMPORTS), NOT SEASONALLY ADJUSTED ² (MILLIONS OF DOLLARS)						TOTAL	
1946.....	...	...	...	...	...	1946.....	...	...	...	...	493
1947.....	...	...	...	...	...	1947.....	...	...	...	...	455
1948.....	...	...	...	...	...	1948.....	...	...	...	...	799
1949.....	...	...	...	...	...	1949.....	...	...	...	...	621
1950.....	...	...	...	...	...	1950.....	...	...	...	...	576
1951.....	...	...	...	...	...	1951.....	...	...	...	...	1,270
1952.....	...	...	...	...	...	1952.....	...	...	...	...	2,054
1953.....	...	...	...	...	...	1953.....	...	...	...	...	2,615
1954.....	...	...	...	...	...	1954.....	...	...	...	...	2,642
1955.....	...	...	...	...	...	1955.....	...	...	...	...	2,901
1956.....	...	...	...	...	...	1956.....	...	...	...	...	2,949
1957.....	...	...	...	...	...	1957.....	...	...	...	...	3,216
1958.....	...	...	...	...	...	1958.....	...	...	...	...	3,435
1959.....	...	...	...	...	...	1959.....	...	...	...	...	3,107
1960.....	71	89	88	86	86	1960.....	781	769	801	737	3,087		
1961.....	86	112	111	94	94	1961.....	786	781	705	727	2,998		
1962.....	110	189	154	204	204	1962.....	770	763	761	810	3,105		
1963.....	187	195	127	148	148	1963.....	763	748	726	725	2,961		
1964.....	207	151	192	198	198	1964.....	747	737	699	697	2,880		
1965.....	207	188	229	206	206	1965.....	676	719	763	794	2,952		
1966.....	196	214	203	216	216	1966.....	877	925	975	987	3,764		
1967.....	329	239	240	341	341	1967.....	1,085	1,075	1,106	1,112	4,378		
1968.....	302	343	392	356	356	1968.....	1,103	1,112	1,147	1,173	4,535		
1969.....	407	328	441	336	336	1969.....	1,198	1,187	1,221	1,251	4,856		
1970.....	268	435	347	429	429	1970.....	1,178	1,259	1,211	1,208	4,855		
1971.....	498	507	489	419	419	1971.....	1,174	1,206	1,203	1,236	4,819		
1972.....	326	281	252	295	295	1972.....	1,222	1,242	1,109	1,185	4,759		
1973.....	342	446	520	1,046	1,046	1973.....	1,175	1,209	1,067	1,104	4,555		
1974.....						1974.....							
696. U.S. GOVT. CASH RECEIPTS ASSOCIATED WITH MILITARY SALES CONTRACTS, NOT SEAS. ADJ. ² (MILLIONS OF DOLLARS)						TOTAL	696. U.S. GOVT. CASH RECEIPTS ASSOCIATED WITH MILITARY SALES CONTRACTS, SEASONALLY ADJ. ² (MILLIONS OF DOLLARS)						
1960.....	248	83	66	112	509	1960.....	255	82	112	60	509		
1961.....	58	95	82	105	340	1961.....	58	103	140	39	340		
1962.....	124	113	125	317	679	1962.....	119	131	194	235	679		
1963.....	247	233	136	379	995	1963.....	231	266	216	282	995		
1964.....	361	116	152	358	987	1964.....	344	149	233	261	987		
1965.....	242	341	175	328	1,086	1965.....	226	371	259	230	1,086		
1966.....	258	125	173	371	927	1966.....	247	149	253	278	927		
1967.....	347	397	112	167	1,023	1967.....	343	418	195	67	1,023		
1968.....	185	274	142	365	966	1968.....	213	281	229	243	966		
1969.....	235	318	299	591	1,443	1969.....	268	318	389	468	1,443		
1970.....	207	207	182	265	861	1970.....	260	202	258	141	861		
1971.....	204	270	214	358	1,046	1971.....	264	263	275	244	1,046		
1972.....	237	373	325	452	1,387	1972.....	273	365	381	368	1,387		
1973.....	520	544	610	616	2,290	1973.....	554	535	665	536	2,290		
1974.....						1974.....							

NOTE: Unless otherwise noted, these series contain no revisions but are reprinted for the convenience of the user.

¹Annual figures are computed from annual data for series 200 and 264.

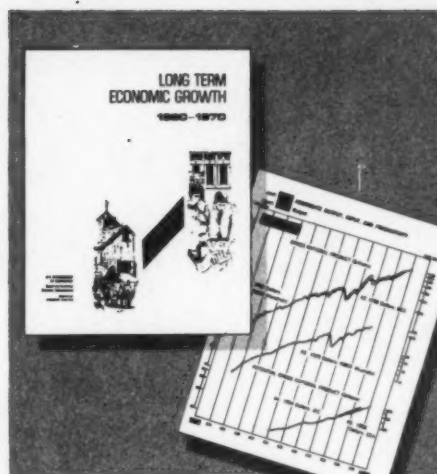
^aThis series contains revisions beginning with 1967.

^bThis series contains revisions beginning with 1970.

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Series title	Series number	Current issue (page numbers)		Historical data (issue date)	Series descriptions (issue date)	Series title	Series number	Current issue (page numbers)		Historical data (issue date)	Series descriptions (issue date)
		Charts	Tables					Charts	Tables		
Accession rate, defense products industries	654	8	21	5/74	4/73	Inventories, manufacturers'					
Aerospace industries						Defense products	659	9	22	8/74	2/73
Manufacturers' new orders from U.S. Government	650	See New orders.				Defense products industries	658	9	...	1/72	2/73
Manufacturers' shipments to U.S. Government	689	See Shipments.				Ratio to shipments, defense products	693	12	26	8/74	2/73
Manufacturers' unfilled orders from U.S. Government	664	See Unfilled orders.				Ratio to shipments, defense products industries	692	12	...	11/72	2/73
Balance of payments (defense-related)						Job vacancy rate, defense products industries	656	8	21	8/73	4/73
Cash receipts associated with military sales contracts	686	13	27	9/74	10/73	Layoff rate, defense products industries	655	8	21	5/74	4/73
Direct defense expenditures	547	13	27	9/74	10/73	Man-hours, defense products industries	673	10	23	5/74	4/73
Transfers under military agency sales contracts	546	13	27	9/74	10/73	Manpower—See Civilian manpower and Military manpower.					
Budget outlays for national defense function	683	See Outlays.				Military manpower, Defense Department	677	10	24	8/74	8/68
Cash receipts associated with military sales contracts	686	See Balance of payments.				Military prime contract awards—See Contract awards.					
Civilian manpower, Defense Department	678	10	24	8/74	8/68	Net outlays, Defense Department—See Outlays.					
Compensation						New orders, manufacturers'					
Payrolls, aggregate weekly, defense products industries	675	10	23	5/74	4/73	Defense products	648	7	20	8/74	2/73
Personnel compensation, Defense Department	685	11	25	8/74	8/68	Defense products industries	647	7	...	11/72	2/73
Contract awards, military prime						From Government, aerospace industries	650	8	20	4/74	2/73
Aircraft	626	...	16	5/74	8/68	Obligations incurred, gross					
Civilian Health and Medical Program	638	...	19	...	...	Defense Department, operations	619	...	15	4/74	8/68
Combat vehicles	631	...	17	5/74	8/68	Defense Department, procurement	621	6	15	4/74	8/68
Construction	634	...	18	5/74	8/68	Defense Department, total	617	6	15	4/74	8/68
Contracts under \$10,000	636	...	19	5/74	8/68	Outside Government for national defense	623	6	16	4/74	10/73
Educational and nonprofit institutions	637	...	19	5/74	8/68	Obligations outstanding, gross unpaid					
Electronic and communications equipment	630	...	17	5/74	8/68	Defense Department, operations	644	...	20	4/74	8/68
Missile and space systems	627	...	16	5/74	8/68	Defense Department, procurement	645	...	20	4/74	8/68
Other hard goods	632	...	18	5/74	8/68	Defense Department, total	643	7	20	4/74	8/68
Services	635	...	18	5/74	8/68	Operations, Defense Department					
Ships	628	...	17	5/74	8/68	Net outlays	681	See Outlays.			
Soft goods	633	...	18	5/74	8/68	Obligations incurred	619	See Obligations incurred.			
Total	625	7	16	5/74	8/68	Unpaid obligations outstanding	644	See Obligations outstanding.			
Weapons and ammunition	629	...	17	5/74	8/68	Orders—See New orders and Unfilled orders.					
Work outside the U.S.	640	...	19	5/74	8/68	Outlays					
Defense and space equipment, output	657	See Output of defense and space equipment.				Budget outlays for national defense function	683	11	25	4/74	10/73
Defense Department						Defense Department, operations	681	...	24	4/74	8/68
Gross obligations incurred—See Obligations incurred.						Defense Department, procurement	682	11	25	4/74	8/68
Gross unpaid obligations outstanding—See Obligations outstanding.						Defense Department, total	680	11	24	4/74	8/68
Manpower—See Civilian manpower and Military manpower.						Output of defense and space equipment	657	9	22	8/74	10/73
Military prime contract awards—See Contract awards.						Overtime hours, defense products industries	653	8	21	5/74	4/73
Net outlays—See Outlays.						Payrolls, aggregate weekly, defense products industries	675	See Compensation.			
Personnel compensation	685	See Compensation.				Personnel compensation, Defense Department	685	See Compensation.			
Progress payments outstanding	686	See Progress payments.				Procurement, Defense Department					
Direct defense expenditures	547	See Balance of payments.				Net outlays	682	See Outlays.			
Employment						Obligations incurred	621	See Obligations incurred.			
Accession rate, defense products industries	654	See Accession rate.				Unpaid obligations outstanding	645	See Obligations outstanding.			
Employment, production workers, defense products industries	671	10	23	5/74	4/73	Progress payments outstanding, Defense Department	686	9	22	4/74	8/68
Employment, total, defense products industries	670	10	22	5/74	4/73	Purchases of goods and services for national defense	264	See Gross national product.			
Job vacancy rate, defense products industries	656	See Job vacancy rate.				Shipments, manufacturers'					
Layoff rate, defense products industries	655	See Layoff rate.				Defense products	688	12	26	8/74	2/73
Man-hours, defense products industries	673	See Man-hours.				Defense products industries	687	12	...	11/72	2/73
Manpower—See Civilian manpower and Military manpower.						Ratio, inventories to shipments, defense products industries	693	See Inventories.			
Overtime hours, defense products industries	653	See Overtime hours.				Ratio, unfilled orders to shipments, defense products industries	692	See Unfilled orders.			
Expenditures—See Outlays.						Ratio, unfilled orders to shipments, defense products industries	691	See Unfilled orders.			
Federal purchases of goods and services for national defense	264	See Gross national product.				To Government, aerospace industries	690	12	26	4/74	2/73
Gross national product						Transfers under military agency sales contracts	546	See Balance of payments.			
Federal purchases of goods and services for national defense	264	5	14	9/74	10/73	Unfilled orders, manufacturers'					
Gross national product	200	5	14	9/74	10/73	Defense products	661	9	22	8/74	2/73
National defense purchases as percent of GNP	613	5	14	9/74	10/73	Defense products industries	660	9	...	7/71	2/73
Gross obligations incurred—See Obligations incurred.						From Government, aerospace industries	664	9	22	4/74	2/73
Gross unpaid obligations outstanding—See Obligations outstanding.						Ratio to shipments, defense products	691	12	26	8/74	2/73
						Ratio to shipments, defense products industries	690	12	...	11/72	2/73
						Unpaid obligations outstanding—See Obligations outstanding.					

